DrugCheck[®] NxStep OnSite Drug Test

∙DrugCheck° C€

Royal Medical Supplies Order Code:

60702-6A

For in vitro diagnostic use and for professional testing use only

The DrugCheck® NxStep OnSite Drug Test is an immunochromatographic assay for the qualitative detection of Amphetamine, Benzodiazepine, Cocaine, Methamphetamine, Oplates, THC and Alcohol in human urine at a cutoff concentration indicated in the table below.

The test may yield preliminary positive results when prescription drugs are ingested at prescribed doese. It is not intended to distinguish between prescription use and abuse of any drug. There are no uniformly recognised cutoff concentration levels for any drug in urine. The test provides only preliminary test results. A more specific alternative chemical method must be used in order to obtain a confirmed analytical result. Gas ChromatographyMass Spectrometry (GCMS) is the preferred confirmedanty method. Clinical consideration and professional judgment should be exercised with any drug of abuse test result, particularly when the preliminary result is positive.

For in vitro diagnostic use and for professional testing use only

WHAT IS THE DRUGCHECK® NXSTEP ONSITE DRUG TEST?

The DrugCheck[®] NxStep OnSite Drug Test is a rapid test for qualitative detection of Amphetamine, Benzodiazepine, Cocaine, Methamphetamine, Opiates, THC and Alcohol in human urine. The DrugCheck[®] NxStep OnSite Drug Test yields a positive result when drug and/or its metabolite in urine is at or exceeds its cutoff concentration.

WHAT IS THE CUT-OFF VALUE?

| Drug Tests | Drug (Identifier) | Cutoff Level |
|-----------------------|-----------------------------------|--------------|
| Amphetamine (AMP) | D-Amphetamine | 300 ng/mL |
| Benzodiazepine (BZO) | Oxazepam | 200 ng/mL |
| Cocaine COC) | Benzoylecgonine | 300 ng/mL |
| Methamphetamine (MET) | D-Methamphetamine | 300 ng/mL |
| Opiates (OPI) | Morphine | 300 ng/mL |
| Opiates (OPI) | Morphine | 2000 ng/mL |
| THC (Marijuana) (THC) | 11-nor-Δ ⁹ -THC-9-COOH | 50 ng/mL |
| + Alcohol | | |
| + 6 Adulterants | | |
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PRINCIPLE

The DrugCheck® NxStep OnSite Drug Test is an immunoassay. During testing, a usine specimen migrates upward on the test strip. A drug-positive urine specimen will not generate a coloured line in the specific test line region of the strip, while a drug-negative urine specimen will generate a line in the test line region. A coloured line will always appear at the control line region, indicating that proper volume of specimen been added.

The test contains a membrane strip coated with drug-protein conjugates (purified bovine albumin) on the test line, a goat polyclonal antibody against gold-protein conjugate at the control line, and a dye pad which contains colloidal gold particles coated with mouse monoclonal antibody specific to individual drug on the list indicated in the table above.

ALCOHOL TEST PRINCIPAL

The Urine Alcohol Test Strip is a chemical assay based on an alcohol-sensitive enzymatic reaction. Alcohol, if present in the specimen, reacts with chemicals on the reaction pad and causes a color change.

The reaction pad employs a solid-phase chemistry system which uses a highly specific enzyme reaction. On contact with specimens of alcohol, the reaction pad will rapidly change colours depending on the concentration of alcohol present. This colour change is proportional to the concentration of alcohol in the specimen. By comparing with the colour blocks on the colour chart supplied, an approximate alcohol concentration can be determined

WARNINGS AND PRECAUTIONS

- 1. For in vitro diagnostic use and for professional testing use only.
- 2. For external use only.
- 3. For single use. Discard after first use.
- 4. Do not use the test if the pouch is punctured or not well sealed.
- Do not use after expiration date.
- 6. Keep out of the reach of children
- The used test cup and urine specimen should be discarded according to federal, state and local regulations.

CONTENT OF THE PACKAGE

Included in package:

- User Instruction
- Test Cup (inside foil pouch)
- Not included in package:
- Watch, Timer or Clock

STORAGE AND STABILITY

Store as packaged in the sealed pouch at 4°C - 30°C. The test is stable through the expiration date printed on the sealed pouch. The test cup must remain in the sealed pouch until use. Keep away from direct sunlight, moisture and heat. DO NOT FREEZE. Do not use beyond the expiration date.

WHEN TO COLLECT URINE FOR THE TEST?

Urine from any time of the day can be used. The minimum detection time varies for different drugs.

HOW TO COLLECT URINE?

- When you are ready to begin, remove the test cup from the sealed foil pouch. Peel back and remove the label from the test cup to show the drug test strips. Notice the colored tape on each strip correlates to the name of the drug you are testing for.
- Remove the cap from the test cup. Fill the test cup with a minimum of 30 mL (see the minimum line mark) fresh urine sample. Do not over-fill.
- 3. When finished, recap the test cup (be sure to tighten firmly) and place the test cup on a flat surface. Be sure **NOT** to tilt or flip it over.

HOW TO DO THE TEST?

After filling the test cup with a fresh urine sample, wait for 5 minutes (start timing immediately after sample is collected) and read the results. **DO NOT** read results after 5 minutes.

Note: Results after 5 minutes may not be accurate and should not be read.



READING THE RESULTS

Preliminary Positive (+)

If a line appears in the C - Control area, but NO line appears in the T - Test area, then it indicates a Preliminary Positive result for the corresponding drug.

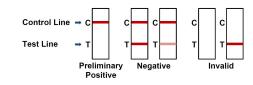
Negative (-)

If a line appears in both the C - Control and T - Test area, then it indicates a Negative result for the corresponding drug regardless of how dark or how light the line may appear.

Invalid

If at 5 minutes, NO line appears in the C - Control area, then the results are Invalid. In such case, retest with a new test cup.

Note: Each test strip needs to be looked at individually. Each line may vary in color and darkness or the rate at which the line appears. (DO NOT compare lines within the same test strip or between different test strips).



A positive test result does not always mean a person took illegal drugs and a negative test result does not always mean a person did not take illegal drugs. There are a number of factors that influence the reliability of drug tests. Certain drugs of abuse tests are more accurate than others.

IMPORTANT: The result you obtained is called preliminary for a reason. The sample must be tested by a laboratory to determine if a drug of abuse is actually present.

ALCOHOL INTERPRETATION OF RESULTS

Negative: No color change appears on the reaction pad. The color should match the color block on the color chart corresponding to a negative (-) result. This indicates that alcohol has not been detected.

Positive: A color change appears on the reaction pad. The color on the reaction pad varying from a light blue to a dark blue, failing on or between the corresponding color blocks on the color chart. This indicates that alcohol has been detected.

Invalid: The outer edges of the reaction pad produce a slight color but the majority of the reaction pad remains colorless. Repeat the test with a new test strip, ensuring complete saturation of the reaction pad with the specimen. If the problem persists, do not continue the test and contact your local distributor.

WHAT IS A FALSE POSITIVE TEST?

The definition of a false positive test would be an instance where the test result from the **DrugCheck**[®] **NxStep OnSite Drug Test** is positive, even though the initial target drug is not present in the sample. The most common causes of a false positive test are cross reactants. Certain foods and medicines, diet plan drugs and nutritional supplements may also cause a false positive test result with this product.

WHAT IS A FALSE NEGATIVE TEST?

The definition of a false negative test is that the initial target drug is present but isn't detected by the *DrugCheck[®] NxStep OnSite Drug Test*. If the sample is diluted, or if the sample is tainted or contaminated with a substance this could cause false negative results.

TEST LIMITATIONS

- The DrugCheck® NxStep OnSite Drug Test provides only a qualitative, preliminary analytical result. A secondary analytical method must be used to obtain a confirmed result. Gas chromatography/mass spectrometry (GCMS) is the preferred confirmatory method.
- 2. There is a possibility that interfering substances in the urine specimen may cause erroneous results.
- 3. Substances, such as bleach and/or alum, in urine specimens may produce erroneous results.
- A positive result does not indicate intoxication, the concentration of drug in the urine, or the route of drug administration.
- A negative result may not necessarily indicate drug-free urine. Negative results can be obtained when drug is present but below the cutoff level of the test.
- 6. Test does not distinguish between drugs of abuse and certain medications.
- 7. A positive test result may be obtained from certain foods or food supplements.

ALCOHOL LIMITATIONS

- The Urine Alcohol Test Strip provides only a preliminary result for the detection of alcohol concentration in human urine. A secondary analytical method must be used to obtain a confirmed result. Gas chromatography (GC) is the preferred confirmatory method.
- Interpretation of visual results is dependent on several factors: the variability of color perception, the
 presence or absence of inhibitory factors, and the lighting conditions when the strip is read. Caution
 should be taken when interpreting test results due to the subjective nature of the test.
- The Urine Alcohol Test Strip should not be used to determine the presence of alcohol in beverages, in undiluted alcohol, or in other liquid solutions.
- 4. Alcohol concentration in the human body slowly increases after the alcohol ingestion. Generally, the maximum alcohol concentration in human urine, appears in the range from 30 minutes to 60 minutes after the last alcohol ingestion. After the maximum appearance, the alcohol concentration in the human body reduces. How long the alcohol concentration takes to reduce to zero depends on how much alcohol has been ingested.
- 5. The Urine Alcohol Test Strip is highly sensitive to the presence of alcohol. Alcohol vapors in the air are sometimes detected by the test strip. Alcohol vapors are present in many institutions and homes. Alcohol is a component in many household products such as disinfectant, deodorizers, perfumes, and glass cleaners. If the presence of alcohol vapors is suspected, the test should be performed in an area known to be free of vapors.
- Ingestion or general use of over-the-counter medications and products containing alcohol such as cold medicines, breath sprays and mouthwashes can produce positive results. Wait at least 20 minutes after ingesting any such products before using the test strip.



QUALITY CONTROL

If you work in a laboratory you should perform quality control testing and you should read this section.

A procedural control is included in the test. A colour line appearing in the control region (C) is considered an internal procedural control. It confirms sufficient specimen volume, adequate membrane wicking and correct procedural technique.

Control standards are not supplied with this kit. However, it is recommended that positive and negative controls be tested as good laboratory practice to confirm the test procedure and to verify proper test performance. Quality control testing should be done with each new tot and each new shipment. It should be done every thirty days to check storage. Please contact our Technical Support at 1-507-526-3951 for controls that work with the test cup.

PERFORMANCE CHARACTERISTICS

Eighty clinical urine specimens were analyzed by GC/MS and by the **DrugCheck® NxStep Onsite Drug Test**. Each test was read by three viewers. Samples were divided by concentration into five categories: drug-free, less than half the cutoff, near cutoff negative, near cutoff positive, and high positive. Results were as follows:

Accuracy - 6-Acetylmorphine (6-ACM)

| | Positive | Negative |
|---|----------|----------|
| Negative Samples | 0 | 20 |
| Near Cut-off Negative Samples [between 50% of cut-off and cut-off] | 0 | 20 |
| Near Cut-off Positive Samples [between cut-off and 150% of cut-off] | 19 | 1 |
| Positive Samples [>150% of cut-off] | 20 | 0 |
| Agreement with GC/MS | 98% | >99% |

Overall Agreement with GC/MS is 99%.

Accuracy - Amphetamine 1000

Viewer A:

| | | Less than half the cutoff Concentration by | (Between 50% below | | (Greater than 50% |
|----------|-----------|--|-----------------------|----|-------------------|
| Result | Drug-free | | cutoff concentration) | | |
| Positive | 0 | 0 | 1 | 13 | 26 |
| Negative | 10 | 10 | 19 | 1 | 0 |

% agreement among positives is 97.5%

% agreement among negatives is 97.5%

Viewer B:

| Result | Drug-free | Less than half the cutoff Concentration by GC/MS analysis | (Between 50% below | (Between the cutoff and 50% above the | (Greater than 50% above the cutoff |
|----------|-----------|--|--------------------|--|------------------------------------|
| Positive | 0 | 0 | 1 | 12 | 26 |
| Negative | 10 | 10 | 19 | 2 | 0 |

% agreement among positives is 95% % agreement among negatives is 97.5%

Viewer C:

| 1.01101 0. | | | | | |
|------------|-----------|--------------------|-----------------------|-----------------------|----------------|
| | | Less than half the | Near cutoff negative | Near cutoff positive | High positive |
| | | cutoff | (Between 50% below | | |
| | | Concentration by | | and 50% above the | |
| Result | Drug-free | GC/MS analysis | cutoff concentration) | cutoff concentration) | concentration) |
| Positive | 0 | 0 | 0 | 13 | 26 |
| Negative | 10 | 10 | 20 | 1 | 0 |

% agreement among positives is 97.5% % agreement among negatives is 100%

From the results of the above tables, the total results are shown as below for Amphetamine 1000: The average positive agreement is 96,7%.

The average positive agreement is 96.7%. The average negative agreement is 98.3%.

Accuracy – Amphetamine 500

| Viewer A: | | | | | |
|-----------|-----------|----------------------------|--|--|---------------|
| | | Less than half the | Near cutoff negative | Near cutoff positive | High positive |
| | | cutoff Concentration by | (Between 50% below the cutoff and the | (Between the cutoff and 50% above the | |
| Result | Drug-free | GC/MS analysis | cutoff concentration) | | |
| Positive | 0 | 0 | 0 | 13 | 26 |
| Negative | 10 | 10 | 20 | 1 | 0 |

% agreement among positives is 97.5%

% agreement among negatives is 100%

Viewer B:

| Result | Drug-free | cutoff Concentration by | Near cutoff negative (Between 50% below the cutoff and the cutoff concentration) | (Between the cutoff and 50% above the | (Greater than 50% above the cutoff |
|----------|-----------|----------------------------|---|--|---------------------------------------|
| Positive | 0 | 0 | 1 | 13 | 26 |
| Negative | 10 | 10 | 19 | 1 | 0 |

% agreement among positives is 97.5%

% agreement among negatives is 97.5%

Viewer C:

| Result | Drug-free | Less than half the cutoff Concentration by GC/MS analysis | (Between 50% below | (Between the cutoff and 50% above the | (Greater than 50% above the cutoff | |
|----------|-----------|--|--------------------|--|------------------------------------|--|
| Positive | 0 | 0 | 1 | 14 | 26 | |
| Negative | 10 | 10 | 19 | 0 | 0 | |
| - | | | | | | |

% agreement among positives is 100% % agreement among negatives is 97.5%

From the results of the above tables, the total results are shown as below for Amphetamine 500: The average positive agreement is 98.3%. The average negative agreement is 98.3%.

Accuracy - Amphetamine 300

| Analyte | Positive | Negative |
|--|----------|----------|
| Negative Samples | 0 | 42 |
| Near Cut-off Negative Samples [between 50% of cut-off and cut-off] | 1 | 6 |
| Near Cut-off Positive Samples [between cutoff and 150% of cut-off] | 3 | 0 |
| Positive Samples [>150% of cut-off] | 40 | 0 |
| Agreement with GC/MS | >99% | 98% |

Overall Agreement with GC/MS is 99%.

Accuracy - Barbiturates

| | | Less than half the | Near cutoff negative | Near cutoff positive | High positive |
|----------|-----------|--------------------|-----------------------|-----------------------|----------------|
| | | cutoff | (Between 50% below | | |
| | | Concentration by | the cutoff and the | and 50% above the | |
| Result | Drug-free | GC/MS analysis | cutoff concentration) | cutoff concentration) | concentration) |
| Positive | 0 | 0 | 0 | 13 | 26 |
| Negative | 10 | 10 | 20 | 1 | 0 |
| | | | | | |

% agreement among positives is 97.5%

% agreement among negatives is 100%

Viewer B:

| | | Less than half the | Near cutoff negative | Near cutoff positive | High positive |
|----------|-----------|--------------------|-----------------------|-----------------------|----------------|
| | | cutoff | (Between 50% below | | |
| | | Concentration by | | and 50% above the | |
| Result | Drug-free | GC/MS analysis | cutoff concentration) | cutoff concentration) | concentration) |
| Positive | 0 | 0 | 0 | 13 | 26 |
| Negative | 10 | 10 | 20 | 1 | 0 |

% agreement among positives is 97.5% % agreement among negatives is 100%

Viewer C:

| Result | Drug-free | Less than half the cutoff Concentration by GC/MS analysis | Near cutoff negative (Between 50% below the cutoff and the cutoff concentration) | (Between the cutoff and 50% above the | (Greater than 50% above the cutoff |
|----------|-----------|--|---|--|------------------------------------|
| Positive | 0 | 0 | 1 | 13 | 26 |
| Negative | 10 | 10 | 19 | 1 | 0 |

% agreement among positives is 97.5% % agreement among negatives is 97.5%

From the results of the above tables, the total results are shown as below for Barbiturates: The average positive agreement is 97.5%.

The average negative agreement is 99.2%

Accuracy – Benzodiazepine 300

Viewer A:

| | | Less than half the | Near cutoff negative | Near cutoff positive | High positive |
|----------|-----------|----------------------------|--|--|----------------|
| | | cutoff Concentration by | (Between 50% below the cutoff and the | (Between the cutoff and 50% above the | |
| Result | Drug-free | GC/MS analysis | cutoff concentration) | cutoff concentration) | concentration) |
| Positive | 0 | 0 | 0 | 14 | 25 |
| Negative | 10 | 10 | 20 | 1 | 0 |

% agreement among positives is 97.5%

% agreement among negatives is 100%

Viewer B:

| | | Less than half the | Near cutoff negative | Near cutoff positive | High positive | | |
|--------------------------------------|-----------|----------------------------|--|--|----------------|--|--|
| | | cutoff Concentration by | (Between 50% below the cutoff and the | (Between the cutoff and 50% above the | | | |
| Result | Drug-free | GC/MS analysis | cutoff concentration) | cutoff concentration) | concentration) | | |
| Positive | 0 | 0 | 0 | 14 | 25 | | |
| Negative | 10 | 10 | 20 | 1 | 0 | | |
| % agreement among positives is 97.5% | | | | | | | |

% agreement among negatives is 37.5%

Viewer C:

| Result | Drug-free | cutoff Concentration by | Near cutoff negative (Between 50% below the cutoff and the cutoff concentration) | (Between the cutoff and 50% above the | (Greater than 50% above the cutoff |
|----------|-----------|----------------------------|---|--|---------------------------------------|
| Positive | 0 | 0 | 0 | 13 | 25 |
| Negative | 10 | 10 | 20 | 2 | 0 |

% agreement among positives is 95%

% agreement among negatives is 100%

From the results of the above tables, the total results are shown as below for Benzodiazepine: The average positive agreement is 96.7%.

The average negative agreement is 100%.

Accuracy - Benzodiazepine 200

| Analyte | Positive | Negative |
|--|----------|----------|
| Negative Samples | 0 | 5 |
| Near Cut-off Negative Samples [between 50% of cut-off and cut-off] | 0 | 28 |
| Near Cut-off Positive Samples [between cutoff and 150% of cut-off] | 27 | 2 |
| Positive Samples [>150% of cut-off] | 18 | 0 |
| Agreement with GC/MS | 96% | >99% |

Overall Agreement with GC/MS is 98%.

Accuracy – Buprenorphine 10 Viewer A:

| | | | Less than half the | Near cutoff negative | Near cutoff positive | High positive |
|--|----------|-----------|--|---|----------------------|------------------|
| | Result | Drug-free | cutoff Concentration by GC/MS analysis | (Between 50% below the cutoff and the cutoff concentration) | and 50% above the | above the cutoff |
| | Positive | 0 | 0 | 0 | 13 | 26 |
| | Negative | 10 | 10 | 20 | 1 | 0 |

% agreement among positives is 97.5% % agreement among negatives is 100%

Viewer B[.]

| Result | Drug-free | cutoff Concentration by | Near cutoff negative (Between 50% below the cutoff and the cutoff concentration) | (Between the cutoff and 50% above the | (Greater than 50% above the cutoff |
|----------|-----------|----------------------------|---|--|---------------------------------------|
| Positive | 0 | 0 | 1 | 13 | 26 |
| Negative | 10 | 10 | 19 | 1 | 0 |

% agreement among positives is 97.5%

% agreement among negatives is 97.5%

Viewer C:

| | | Less than half the | Near cutoff negative | Near cutoff positive | High positive |
|----------|-----------|--------------------|-----------------------|-----------------------|----------------|
| | | cutoff | (Between 50% below | | |
| | | Concentration by | | and 50% above the | |
| Result | Drug-free | GC/MS analysis | cutoff concentration) | cutoff concentration) | concentration) |
| Positive | 0 | 0 | 0 | 13 | 26 |
| Negative | 10 | 10 | 20 | 1 | 0 |

% agreement among positives is 97.5%

% agreement among negatives is 100%

From the results of the above tables, the total results are shown as below for Buprenorphine: The average positive agreement is 97.5%. The average negative agreement is 98.3%.

Accuracy – Buprenorphine 5

| Analyte | Positive | Negative |
|--|----------|----------|
| Negative Samples | 0 | 20 |
| Near Cut-off Negative Samples [between 50% of cut-off and cut-off] | 0 | 20 |
| Near Cut-off Positive Samples [between cutoff and 150% of cut-off] | 18 | 2 |
| Positive Samples [>150% of cut-off] | 20 | 0 |
| Agreement with GC/MS | 100% | 95% |

Overall Agreement with GC/MS is 97.5%.

Accuracy – Clonazepam

The accuracy of the Clonazepam test was compared and checked against commercially available tests with a threshold value at the same cut-off levels. Urine samples taken from volunteers claiming to be nonusers were examined under both tests. The results were >99.9% in agreement.

Accuracy – Cocaine 300 Viewer A:

| | | Less than half the cutoff Concentration by | (Between 50% below | | (Greater than 50% |
|----------|-----------|--|-----------------------|-----------------------|-------------------|
| Result | Drug-free | GC/MS analysis | cutoff concentration) | cutoff concentration) | concentration) |
| Positive | 0 | 0 | 1 | 12 | 26 |
| Negative | 10 | 10 | 19 | 2 | 0 |

% agreement among positives is 95%

% agreement among negatives is 97.5%

Viewer B:

| | Result | Drug-free | Less than half the cutoff Concentration by GC/MS analysis | (Between 50% below | (Between the cutoff and 50% above the | (Greater than 50% above the cutoff |
|--|----------|-----------|--|--------------------|--|---------------------------------------|
| | Positive | 0 | 0 | 0 | 12 | 26 |
| | Negative | 10 | 10 | 20 | 2 | 0 |

% agreement among positives is 95%

% agreement among negatives is 100%

| Viewer | C: | |
|--------|----|--|
| | | |

| | Result | Drug-free | Less than half the cutoff Concentration by GC/MS analysis | (Between 50% below | (Between the cutoff and 50% above the | (Greater than 50% above the cutoff |
|--|----------|-----------|--|--------------------|--|------------------------------------|
| | Positive | 0 | 0 | 1 | 13 | 26 |
| | Negative | 10 | 10 | 19 | 1 | 0 |

% agreement among positives is 97.5%

% agreement among negatives is 97.5%

From the results of the above tables, the total results are shown as below for Cocaine 300: The average positive agreement is 95.8%. The average negative agreement is 98.3%

Accuracy - Cocaine 150

Viewer A:

| Result | Drug-free | Less than half the cutoff Concentration by GC/MS analysis | (Between 50% below | (Between the cutoff and 50% above the | (Greater than 50% above the cutoff |
|----------|-----------|--|--------------------|--|------------------------------------|
| Positive | 0 | 0 | 1 | 14 | 26 |
| Negative | 10 | 10 | 19 | 0 | 0 |

% agreement among positives is 100%

% agreement among negatives is 97.5%

Viewer B:

| | | Less than half the | Near cutoff negative | Near cutoff positive | High positive |
|----------|-----------|--------------------|-----------------------|-----------------------|------------------|
| | | cutoff | (Between 50% below | | |
| | | Concentration by | the cutoff and the | and 50% above the | above the cutoff |
| Result | Drug-free | GC/MS analysis | cutoff concentration) | cutoff concentration) | concentration) |
| Positive | 0 | 0 | 1 | 13 | 26 |
| Negative | 10 | 10 | 19 | 1 | 0 |

% agreement among positives is 97.5%

% agreement among negatives is 97.5%

Viewer C:

| | | Less than half the | Near cutoff negative | Near cutoff positive | High positive |
|----------|-----------|--------------------|-----------------------|-----------------------|-------------------|
| | | cutoff | (Between 50% below | (Between the cutoff | (Greater than 50% |
| | | Concentration by | the cutoff and the | and 50% above the | above the cutoff |
| Result | Drug-free | GC/MS analysis | cutoff concentration) | cutoff concentration) | concentration) |
| Positive | 0 | 0 | 0 | 13 | 26 |
| Negative | 10 | 10 | 20 | 1 | 0 |

% agreement among positives is 97.5% % agreement among negatives is 100%

From the results of the above tables, the total results are shown as below for Cocaine 150: The average positive agreement is 98.3%.

The average negative agreement is 98.3%

Accuracy - Cotinine

| Analyte | Positive | Negative |
|--|----------|----------|
| Negative Samples | 0 | 20 |
| Near Cut-off Negative Samples [between 50% of cut-off and cut-off] | 1 | 19 |
| Near Cut-off Positive Samples [between cutoff and 150% of cut-off] | 19 | 1 |
| Positive Samples [>150% of cut-off] | 20 | 0 |
| Agreement with GC/MS | 98% | 98% |

Overall Agreement with GC/MS is 96%.

Accuracy – 2-Ethylidene-1,5-Dimethyl-3,3-Diphenylpyrrolidine 300

Viewer A

| Result | Drug-free | Less than half the cutoff Concentration by GC/MS analysis | (Between 50% below | (Between the cutoff and 50% above the | (Greater than 50% above the cutoff |
|----------|-----------|--|--------------------|--|------------------------------------|
| Positive | 0 | 0 | 1 | 13 | 26 |
| Negative | 10 | 10 | 19 | 1 | 0 |

% agreement among positives is 97.5%

% agreement among negatives is 97.5%

Viewer B:

| Result | Drug-free | Less than half the cutoff Concentration by GC/MS analysis | (Between 50% below | (Between the cutoff and 50% above the | (Greater than 50% above the cutoff |
|----------|-----------|--|--------------------|--|------------------------------------|
| Positive | 0 | 0 | 0 | 13 | 26 |
| Negative | 10 | 10 | 20 | 1 | 0 |

% agreement among positives is 97.5%

% agreement among negatives is 100%

Viewer C:

| | | Less than half the cutoff Concentration by | (Between 50% below | | (Greater than 50% |
|----------|-----------|--|--------------------|-----------------------|-------------------|
| Result | Drug-free | GC/MS analysis | | cutoff concentration) | |
| Positive | 0 | 0 | 1 | 13 | 26 |
| Negative | 10 | 10 | 19 | 1 | 0 |

% agreement among positives is 97.5% % agreement among negatives is 97.5%

From the results of the above tables, the total results are shown as below for 2-Ethylidene-1,5-Dimethyl-3,3-Diphenylpyrrolidine:

The average positive agreement is 97.5%. The average negative agreement is 98.3%.

Accuracy – 2-Ethylidene-1,5-Dimethyl-3,3-Diphenylpyrrolidine 100

| | Negative |
|-----|----------|
| 0 | 20 |
| 1 | 19 |
| 18 | 2 |
| 20 | 0 |
| 95% | 97.5% |
| - | 20 |

Overall Agreement with GC/MS is 96%.

Accuracy - Ethyl Glucuronide

| Analyte | Positive | Negative |
|--|----------|----------|
| Negative Samples | 0 | 70 |
| Near Cut-off Negative Samples [between 50% of cut-off and cut-off] | 0 | 70 |
| Near Cut-off Positive Samples [between cutoff and 150% of cut-off] | 70 | 0 |
| Positive Samples [>150% of cut-off] | 70 | 0 |
| Agreement with GC/MS | >99% | >99% |

Overall Agreement with GC/MS is >99%.

| Accuracy – Fentanyl |
|---------------------|
| Analyte |
| Negative Samples |

| Negative Samples | 0 | 20 |
|--|-------|------|
| Near Cut-off Negative Samples [between 50% of cut-off and cut-off] | 1 | 19 |
| Near Cut-off Positive Samples [between cutoff and 150% of cut-off] | 20 | 0 |
| Positive Samples [>150% of cut-off] | 20 | 0 |
| Agreement with GC/MS | 97.5% | 100% |

Positive

Negative

Overall Agreement with GC/MS is 99%.

Accuracy - Ketamine

| Analyte | Positive | Negative | |
|--|----------|----------|--|
| Negative Samples | 0 | 270 | |
| Near Cut-off Negative Samples [between 50% of cut-off and cut-off] | 0 | 270 | |
| Near Cut-off Positive Samples [between cutoff and 150% of cut-off] | 274 | 4 | |
| Positive Samples [>150% of cut-off] | 274 | I | |
| Agreement with GC/MS | >99% | >99% | |

Overall Agreement with GC/MS is >99%.

Accuracy - Marijuana 50

Viewer A:

| | | Less than half the | Near cutoff negative | Near cutoff positive | High positive |
|----------|-----------|--------------------|-----------------------|-----------------------|------------------|
| | | cutoff | (Between 50% below | | |
| | | Concentration by | the cutoff and the | and 50% above the | above the cutoff |
| Result | Drug-free | GC/MS analysis | cutoff concentration) | cutoff concentration) | concentration) |
| Positive | 0 | 0 | 1 | 14 | 26 |
| Negative | 10 | 10 | 19 | 0 | 0 |

% agreement among positives is 100% % agreement among negatives is 97.5% Viewer B:

| Result | Drug-free | Less than half the cutoff Concentration by GC/MS analysis | (Between 50% below | (Between the cutoff and 50% above the | (Greater than 50% above the cutoff |
|----------|-----------|--|--------------------|--|------------------------------------|
| Positive | 0 | 0 | 0 | 14 | 26 |
| Negative | 10 | 10 | 20 | 0 | 0 |

% agreement among positives is 100%

% agreement among negatives is 100%

Viewer C:

| | | Less than half the | Near cutoff negative | Near cutoff positive | High positive |
|----------|-----------|----------------------------|-----------------------|-----------------------|------------------|
| | | cutoff Concentration by | | and 50% above the | above the cutoff |
| Result | Drug-free | GC/MS analysis | cutoff concentration) | cutoff concentration) | concentration) |
| Positive | 0 | 0 | 1 | 14 | 26 |
| Negative | 10 | 10 | 19 | 0 | 0 |

% agreement among positives is 97.5%

% agreement among negatives is 100%

From the results of the above tables, the total results are shown as below for Marijuana: The average positive agreement is 99.2%.

The average negative agreement is 99.2%.

Accuracy - Marijuana 20

Viewer A:

| Result | Drug-free | Less than half the cutoff Concentration by GC/MS analysis | (Between 50% below | (Between the cutoff and 50% above the | (Greater than 50% above the cutoff |
|----------|-----------|--|--------------------|--|------------------------------------|
| Positive | 0 | 0 | 1 | 13 | 26 |
| Negative | 10 | 10 | 19 | 1 | 0 |

% agreement among positives is 97.5%

% agreement among negatives is 97.5% Viewer B:

| | | Less than half the | Near cutoff negative | Near cutoff positive | High positive |
|----------|-----------|--------------------|-----------------------|-----------------------|------------------|
| | | cutoff | (Between 50% below | | |
| | | Concentration by | the cutoff and the | and 50% above the | above the cutoff |
| Result | Drug-free | GC/MS analysis | cutoff concentration) | cutoff concentration) | concentration) |
| Positive | 0 | 0 | 1 | 13 | 26 |
| Negative | 10 | 10 | 19 | 1 | 0 |

% agreement among positives is 97.5%

% agreement among negatives is 97.5%

| Result | Drug-free | Less than half the cutoff Concentration by GC/MS analysis | (Between 50% below | (Between the cutoff and 50% above the | (Greater than 50% above the cutoff |
|----------|-----------|--|--------------------|--|------------------------------------|
| Positive | 0 | 0 | 0 | 13 | 26 |
| Negative | 10 | 10 | 20 | 1 | 0 |

% agreement among positives is 97.5% % agreement among negatives is 100%

From the results of the above tables, the total results are shown as below for Marijuana 20: The average positive agreement is 97.5%. The average negative agreement is 98.3%.

Accuracy - Methadone

Viewer A:

| Res | ult Drug-free | Less than half the cutoff Concentration by GC/MS analysis | (Between 50% below | (Between the cutoff and 50% above the | (Greater than 50% above the cutoff |
|-------|---------------|--|--------------------|--|------------------------------------|
| Posit | ive 0 | 0 | 1 | 13 | 26 |
| Nega | tive 10 | 10 | 19 | 1 | 0 |

% agreement among positives is 97.5%

% agreement among negatives is 97.5%

Viewer B.

| ſ | | | Less than half the | Near cutoff negative | Near cutoff positive | High positive |
|---|----------|-----------|--|---|----------------------|------------------|
| | Result | Drug-free | cutoff Concentration by GC/MS analysis | (Between 50% below the cutoff and the cutoff concentration) | and 50% above the | above the cutoff |
| L | Result | Diug-liee | GC/IVIS allalysis | culon concentration) | cuton concentration) | concentration) |
| | Positive | 0 | 0 | 1 | 13 | 26 |
| | Negative | 10 | 10 | 19 | 1 | 0 |

% agreement among positives is 97.5%

% agreement among negatives is 97.5%

Viewer C:

| | | Less than half the | Near cutoff negative | Near cutoff positive | High positive |
|----------|-----------|--|---|----------------------|------------------|
| Result | Drug-free | cutoff Concentration by GC/MS analysis | (Between 50% below the cutoff and the cutoff concentration) | and 50% above the | above the cutoff |
| Positive | 0 | 0 | 1 | 12 | 26 |
| Negative | 10 | 10 | 19 | 2 | 0 |

% agreement among positives is 95%

% agreement among negatives is 97.5%

From the results of the above tables, the total results are shown as below for Methadone: The average positive agreement is 96.7%. The average negative agreement is 97.5%

Accuracy - Methamphetamine 1000

Viewer A:

| | | | Near cutoff negative | | |
|----------|-----------|--|---|-------------------|------------------|
| Result | Drua-free | cutoff Concentration by GC/MS analysis | (Between 50% below the cutoff and the cutoff concentration) | and 50% above the | above the cutoff |
| Positive | 0 | 0 | 0 | 18 | 21 |
| Negative | 10 | 10 | 20 | 1 | 0 |

% agreement among positives is 97.5% % agreement among negatives is 100%

Viewer B

| Result | Drug-free | Less than half the cutoff Concentration by GC/MS analysis | (Between 50% below | (Between the cutoff and 50% above the | (Greater than 50% above the cutoff |
|----------|-----------|--|--------------------|--|------------------------------------|
| Positive | 0 | 0 | 0 | 18 | 21 |
| Negative | 10 | 10 | 20 | 1 | 0 |

% agreement among positives is 97.5%

% agreement among negatives is 100%

Viewer C:

| | | Less than half the | Near cutoff negative | Near cutoff positive | High positive |
|----------|-----------|--------------------|-----------------------|-----------------------|----------------|
| | | cutoff | (Between 50% below | | |
| | | Concentration by | | and 50% above the | |
| Result | Drug-free | GC/MS analysis | cutoff concentration) | cutoff concentration) | concentration) |
| Positive | 0 | 0 | 0 | 17 | 21 |
| Negative | 10 | 10 | 20 | 2 | 0 |

% agreement among positives is 95% % agreement among negatives is 100%

From the results of the above tables, the total results are shown as below for Methamphetamine 1000: The average positive agreement is 96.7%. The average negative agreement is 100%.

Accuracy - Methamphetamine 500

Viewer A:

| | | Less than half the | Near cutoff negative | Near cutoff positive | High positive |
|----------|-----------|--------------------|-----------------------|-----------------------|----------------|
| | | cutoff | (Between 50% below | | |
| | | Concentration by | | and 50% above the | |
| Result | Drug-free | GC/MS analysis | cutoff concentration) | cutoff concentration) | concentration) |
| Positive | 0 | 0 | 1 | 13 | 26 |
| Negative | 10 | 10 | 19 | 1 | 0 |

% agreement among positives is 97.5%

% agreement among negatives is 97.5%

Viewer B:

| | | Less than half the | Near cutoff negative | Near cutoff positive | High positive |
|----------|-----------|----------------------------|--|--|----------------|
| | | cutoff Concentration by | (Between 50% below the cutoff and the | (Between the cutoff and 50% above the | |
| Result | Drug-free | GC/MS analysis | cutoff concentration) | cutoff concentration) | concentration) |
| Positive | 0 | 0 | 0 | 13 | 26 |
| Negative | 10 | 10 | 20 | 1 | 0 |

% agreement among positives is 97.5% % agreement among negatives is 100%

Viewer C:

| ſ | | | Less than half the | Near cutoff negative | Near cutoff positive | High positive |
|---|----------|-----------|--|---|----------------------|------------------|
| | Result | Drug-free | cutoff Concentration by GC/MS analysis | (Between 50% below the cutoff and the cutoff concentration) | and 50% above the | above the cutoff |
| ſ | Positive | 0 | 0 | 1 | 13 | 26 |
| ſ | Negative | 10 | 10 | 19 | 1 | 0 |

% agreement among positives is 97.5%

% agreement among negatives is 97.5%

From the results of the above tables, the total results are shown as below for Methamphetamine 500: The average positive agreement is 97.5%. The average negative agreement is 98.3%

Accuracy - Methamphetamine 300

| Analyte | Positive | Negative |
|--|----------|----------|
| Negative Samples | 0 | 4 |
| Near Cut-off Negative Samples [between 50% of cut-off and cut-off] | 0 | 10 |
| Near Cut-off Positive Samples [between cutoff and 150% of cut-off] | 3 | 1 |
| Positive Samples [>150% of cut-off] | 22 | 0 |
| Agreement with GC/MS | 96% | >99% |

Overall Agreement with GC/MS is 98%.

Accuracy - Methylenedioxymethamphetamine

Viewer A:

| | | Less than half the cutoff Concentration by | (Between 50% below the cutoff and the | (Between the cutoff and 50% above the | (Greater than 50% above the cutoff | | | | | |
|----------|-----------|--|--|--|------------------------------------|--|--|--|--|--|
| Result | Drug-free | GC/MS analysis | cutoff concentration) | cutoff concentration) | concentration) | | | | | |
| Positive | 0 | 0 | 1 | 14 | 26 | | | | | |
| Negative | 10 | 10 | 19 | 0 | 0 | | | | | |
| | | | | | | | | | | |

% agreement among positives is 100% % agreement among negatives is 97.5%

Viewer B:

1

| | | Less than half the | Near cutoff negative | Near cutoff positive | High positive |
|----------|-----------|--------------------|-----------------------|-----------------------|----------------|
| | | cutoff | (Between 50% below | | |
| | | Concentration by | | and 50% above the | |
| Result | Drug-free | GC/MS analysis | cutoff concentration) | cutoff concentration) | concentration) |
| Positive | 0 | 0 | 0 | 13 | 26 |
| Negative | 10 | 10 | 20 | 1 | 0 |

% agreement among positives is 97.5% % agreement among negatives is 100%

Viewer C:

| Result | Drug-free | Less than half the cutoff Concentration by GC/MS analysis | (Between 50% below | (Between the cutoff and 50% above the | (Greater than 50% above the cutoff |
|----------|-----------|--|--------------------|--|------------------------------------|
| Positive | 0 | 0 | 1 | 14 | 26 |
| Negative | 10 | 10 | 19 | 0 | 0 |

% agreement among positives is 100%

% agreement among negatives is 97.5%

From the results of the above tables, the total results are shown as below for Methylenedioxymethamphetamine:

The average positive agreement is 99.2%

The average negative agreement is 98.3%.

Accuracy - Methylphenidate

The accuracy of Methylphenidate test was compared and checked against commercially available tests with a threshold value at the same cut-off levels. Urine samples taken from volunteers claiming to be nonusers were examined under both tests. The results were >97% in agreement.

Accuracy - Opiates 2000 Viewer A:

| Result | Drug-free | Less than half the | Near cutoff negative (Between 50% below the cutoff and the cutoff concentration) | Near cutoff positive | above the cutoff |
|----------|-----------|--------------------|--|----------------------|------------------|
| Positive | 0 | 0 | 0 | 15 | 24 |
| Negative | 10 | 10 | 20 | 1 | 0 |

% agreement among positives is 97.5% % agreement among negatives is 100%

Viewer B:

| Result | Drug-free | Less than half the cutoff Concentration by GC/MS analysis | Near cutoff negative (Between 50% below the cutoff and the cutoff concentration) | Near cutoff positive | (Greater than 50% above the cutoff | | | |
|----------|-----------|--|--|----------------------|------------------------------------|--|--|--|
| Positive | 0 | 0 | 0 | 15 | 24 | | | |
| Negative | 10 | 10 | 20 | 1 | 0 | | | |

% agreement among positives is 97.5% % agreement among negatives is 100%

Viewer C:

| Result | Drug-free | Less than half the cutoff Concentration by GC/MS analysis | Near cutoff negative (Between 50% below the cutoff and the cutoff concentration) | Near cutoff positive | above the cutoff |
|----------|-----------|--|--|----------------------|------------------|
| Positive | 0 | 0 | 0 | 15 | 24 |
| Negative | 10 | 10 | 20 | 1 | 0 |

% agreement among positives is 97.5% % agreement among negatives is 100%

From the results of the above tables, the total results are shown as below for Opiates 2000: The average positive agreement is 97.5%.

The average negative agreement is 100%.

Accuracy - Opiates 300

Viewer A:

| | | Less than half the | Near cutoff negative | Near cutoff positive | High positive |
|----------|-----------|--|---|----------------------|------------------|
| Result | Drug-free | cutoff Concentration by GC/MS analysis | (Between 50% below the cutoff and the cutoff concentration) | and 50% above the | above the cutoff |
| Positive | 0 | 0 | 1 | 13 | 26 |
| Negative | 10 | 10 | 19 | 1 | 0 |

% agreement among positives is 97.5%

% agreement among negatives is 97.5%

Viewer B:

| Result | Drug-free | Less than half the cutoff Concentration by GC/MS analysis | (Between 50% below | (Between the cutoff and 50% above the | (Greater than 50% above the cutoff |
|----------|-----------|--|--------------------|--|------------------------------------|
| Positive | 0 | 0 | 0 | 13 | 26 |
| Negative | 10 | 10 | 20 | 1 | 0 |

ositives is 97.5% 100%

| Result | Drug-free | Less than half the cutoff Concentration by GC/MS analysis | (Between 50% below | (Between the cutoff and 50% above the | (Greater than 50% above the cutoff |
|----------|-----------|--|--------------------|--|------------------------------------|
| Positive | 0 | 0 | 0 | 14 | 26 |
| Negative | 10 | 10 | 20 | 0 | 0 |

% agreement among positives is 100%

% agreement among negatives is 100%

From the results of the above tables, the total results are shown as below for Opiates 300: The average positive agreement is 98.3%.

The average negative agreement is 99.2%.

Accuracy - Oxycodone

Viewer A:

| Result | Drug-free | Less than half the cutoff Concentration by GC/MS analysis | (Between 50% below | (Between the cutoff and 50% above the | (Greater than 50% above the cutoff |
|----------|-----------|--|--------------------|--|---------------------------------------|
| Positive | 0 | 0 | 1 | 12 | 26 |
| Negative | 10 | 10 | 19 | 2 | 0 |

% agreement among positives is 95%

% agreement among negatives is 97.5% View

| | | Less than half the | Near cutoff negative | Near cutoff positive | High positive |
|----------|-----------|--|---|----------------------|------------------|
| Result | Drug-free | cutoff Concentration by GC/MS analysis | (Between 50% below the cutoff and the cutoff concentration) | and 50% above the | above the cutoff |
| Positive | 0 | 0 | 2 | 13 | 26 |
| Negative | 10 | 10 | 18 | 1 | 0 |

% agreement among positives is 97.5% % agreement among negatives is 95%

Viewer C:

| | | Less than half the cutoff | Near cutoff negative (Between 50% below | | |
|----------|-----------|------------------------------------|--|-------------------|------------------|
| Result | Drug-free | Concentration by GC/MS analysis | | and 50% above the | above the cutoff |
| Positive | 0 | 0 | 0 | 12 | 26 |
| Negative | 10 | 10 | 20 | 2 | 0 |

% agreement among positives is 95%

% agreement among negatives is 100%

From the results of the above tables, the total results are shown as below for Oxycodone:

The average positive agreement is 95.8%.

The average negative agreement is 97.5%

| | | Negative | 10 |
|---|-------------------|-----------|-------------|
| | | % agreeme | |
| е | High positive | % agreeme | nt among ne |
| | (Greater than 50% | Viewer C: | |
| е | above the cutoff | | |

| f negative | Near cutoff positive | High positive | % agreement among negatives is |
|------------|--|---------------|--------------------------------|
| | (Between the cutoff | | |
| | and 50% above the cutoff concentration) | | Less than |
| | 14 | 26 | Concentr |

Accuracy – Phencyclidine

Viewer A:

| | | Less than half the | Near cutoff negative | Near cutoff positive | High positive |
|----------|-----------|--|---|----------------------|------------------|
| Result | Drug-free | cutoff Concentration by GC/MS analysis | (Between 50% below the cutoff and the cutoff concentration) | and 50% above the | above the cutoff |
| Positive | 0 | 0 | 2 | 13 | 26 |
| Negative | 10 | 10 | 18 | 1 | 0 |

% agreement among positives is 97.5%

% agreement among negatives is 95%

Viewer B:

| | | Less than half the | Near cutoff negative | Near cutoff positive | High positive |
|----------|-----------|--------------------|-----------------------|-----------------------|-------------------|
| | | cutoff | (Between 50% below | (Between the cutoff | (Greater than 50% |
| | | Concentration by | | and 50% above the | |
| Result | Drug-free | GC/MS analysis | cutoff concentration) | cutoff concentration) | concentration) |
| Positive | 0 | 0 | 0 | 12 | 26 |
| Negative | 10 | 10 | 20 | 2 | 0 |

% agreement among positives is 95% % agreement among negatives is 100%

Viewer C:

| | | Less than half the | Near cutoff negative | Near cutoff positive | High positive |
|----------|-----------|--|---|----------------------|------------------|
| Result | Drug-free | cutoff Concentration by GC/MS analysis | (Between 50% below the cutoff and the cutoff concentration) | and 50% above the | above the cutoff |
| Positive | 0 | 0 | 0 | 13 | 26 |
| Negative | 10 | 10 | 20 | 1 | 0 |

% agreement among positives is 97.5% % agreement among negatives is 100%

From the results of the above tables, the total results are shown as below for Phencyclidine: The average positive agreement is 96.7%.

The average negative agreement is 98.3%.

Accuracy – Pregabalin

Accuracy of the Pregabalin test was established by running urine sample against GC/MS specification.

| Positive | 97.2% |
|----------|-------|
| Negative | 98.3% |
| Total | 97.8% |

Accuracy – Propoxyphene

| Analyte | Positive | Negative |
|--|----------|----------|
| Negative Samples | 0 | 20 |
| Near Cut-off Negative Samples [between 50% of cut-off and cut-off] | 1 | 1 |
| Near Cut-off Positive Samples [between cutoff and 150% of cut-off] | 18 | 2 |
| Positive Samples [>150% of cut-off] | 20 | 0 |
| Agreement with GC/MS | 95% | 98% |

Overall Agreement with GC/MS is 96%.

Accuracy – Synthetic Cannabinoid (K2)

| Analyte | Positive | Negative |
|--|------------------|----------|
| Negative Samples | 4 | 22 |
| Near Cut-off Negative Samples [between 50% of cut-off and cut-off] | 1 | 22 |
| Near Cut-off Positive Samples [between cutoff and 150% of cut-off] | 27 | 0 |
| Positive Samples [>150% of cut-off] | of cut-off] 37 0 | |
| Agreement with GC/MS | >97% | >99% |

Overall Agreement with GC/MS is 98%.

Accuracy - Synthetic Cannabinoid (K3)

| Analyte | Positive | Negative |
|--|----------|----------|
| Negative Samples | 0 | 20 |
| Near Cut-off Negative Samples [between 50% of cut-off and cut-off] | 1 | 19 |
| Near Cut-off Positive Samples [between cutoff and 150% of cut-off] | 19 | 1 |
| Positive Samples [>150% of cut-off] | 20 | 0 |
| Agreement with GC/MS | 97.5% | 97.5% |

Overall Agreement with GC/MS is 97.5%.

Accuracy - Synthetic Cannabinoid (K4)

| Analyte | Positive | Negative |
|--|----------|----------|
| Negative Samples | 0 | 20 |
| Near Cut-off Negative Samples [between 50% of cut-off and cut-off] | 0 | 19 |
| Near Cut-off Positive Samples [between cutoff and 150% of cut-off] | 20 | 1 |
| Positive Samples [>150% of cut-off] | 20 | 0 |
| Agreement with GC/MS | 100% | 97.5% |

Overall Agreement with GC/MS is 98.8%.

Accuracy – Tramadol

| Positive | Negative |
|----------|----------|
| 0 | 20 |
| 2 | 18 |
| 19 | 1 |
| 20 | 0 |
| 98% | 95% |
| | 20 |

Overall Agreement with GC/MS is 96%.

Accuracy - Tricyclic Antidepressants

Viewer A:

| Result | Drug-free | Less than half the cutoff Concentration by GC/MS analysis | (Between 50% below | (Between the cutoff and 50% above the | (Greater than 50% above the cutoff |
|----------|-----------|--|--------------------|--|------------------------------------|
| Positive | 0 | 0 | 1 | 13 | 26 |
| Negative | 10 | 10 | 19 | 1 | 0 |

% agreement among positives is 97.5% % agreement among negatives is 97.5%

Viewer B:

| | | Less than half the | Near cutoff negative | Near cutoff positive | High positive |
|----------|-----------|--------------------|-----------------------|-----------------------|------------------|
| | | cutoff | (Between 50% below | | |
| | | Concentration by | the cutoff and the | and 50% above the | above the cutoff |
| Result | Drug-free | GC/MS analysis | cutoff concentration) | cutoff concentration) | concentration) |
| Positive | 0 | 0 | 1 | 14 | 26 |
| Negative | 10 | 10 | 19 | 0 | 0 |

% agreement among positives is 100%

% agreement among negatives is 97.5%

| Viewer C: | | | | | |
|-----------|-----------|--|--------------------|--|------------------------------------|
| Result | Drug-free | Less than half the cutoff Concentration by GC/MS analysis | (Between 50% below | (Between the cutoff and 50% above the | (Greater than 50% above the cutoff |
| Positive | 0 | 0 | 0 | 13 | 26 |
| Negative | 10 | 10 | 20 | 1 | 0 |

% agreement among positives is 97.5%

% agreement among negatives is 100%

From the results of the above tables, the total results are shown as below for Tricyclic Antidepressants: The average positive agreement is 98.3%. The average negative agreement is 98.3%.

Precision and Sensitivity - 6-Acetylmorphine (6-ACM)

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Result | Precision |
|--|-----------------------------|-------------|-----------|
| 0 | 40 | 40 negative | >99% |
| 5 | 40 | 40 negative | >99% |
| 15 | 40 | 40 positive | >99% |
| 20 | 40 | 40 positive | >99% |

Precision and Sensitivity – Amphetamine 1000

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 250 | 50 | 50/0 |
| 500 | 50 | 50/0 |
| 750 | 50 | 50/0 |
| 1000 | 50 | 2/48 |
| 1250 | 50 | 0/50 |
| 1500 | 50 | 0/50 |
| 1750 | 50 | 0/50 |
| 2000 | 50 | 0/50 |

Lot 2

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 250 | 50 | 50/0 |
| 500 | 50 | 50/0 |
| 750 | 50 | 50/0 |
| 1000 | 50 | 3/47 |
| 1250 | 50 | 0/50 |
| 1500 | 50 | 0/50 |
| 1750 | 50 | 0/50 |
| 2000 | 50 | 0/50 |

Lot 3

| Approximate Concentration of | | Results |
|------------------------------|--------------------------|-------------------|
| Sample (ng/mL) | Number of Determinations | Negative/Positive |
| 0 | 50 | 50/0 |
| 250 | 50 | 50/0 |
| 500 | 50 | 50/0 |
| 750 | 50 | 50/0 |
| 1000 | 50 | 1/49 |
| 1250 | 50 | 0/50 |
| 1500 | 50 | 0/50 |
| 1750 | 50 | 0/50 |
| 2000 | 50 | 0/50 |

Precision and Sensitivity – Amphetamine 500

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 125 | 50 | 50/0 |
| 250 | 50 | 50/0 |
| 375 | 50 | 50/0 |
| 500 | 50 | 3/47 |
| 625 | 50 | 0/50 |
| 750 | 50 | 0/50 |
| 875 | 50 | 0/50 |
| 1000 | 50 | 0/50 |

| 2 | | | |
|---|--|--|--|
| | | | |

1 of

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 125 | 50 | 50/0 |
| 250 | 50 | 50/0 |
| 375 | 50 | 50/0 |
| 500 | 50 | 2/48 |
| 625 | 50 | 0/50 |
| 750 | 50 | 0/50 |
| 875 | 50 | 0/50 |
| 1000 | 50 | 0/50 |

Lot 3

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 125 | 50 | 50/0 |
| 250 | 50 | 50/0 |
| 375 | 50 | 50/0 |
| 500 | 50 | 2/48 |
| 625 | 50 | 0/50 |
| 750 | 50 | 0/50 |
| 875 | 50 | 0/50 |
| 1000 | 50 | 0/50 |

Precision and Sensitivity – Amphetamine 300

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Result | Precision |
|--|-----------------------------|-------------|-----------|
| 0 | 60 | 60 negative | >99% |
| 150 | 30 | 30 negative | >99% |
| 225 | 15 | 15 negative | >99% |
| 375 | 15 | 15 positive | >99% |
| 450 | 30 | 30 positive | >99% |
| 600 | 30 | 30 positive | >99% |

Precision and Sensitivity - Barbiturates

Lot 1

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 75 | 50 | 50/0 |
| 150 | 50 | 50/0 |
| 225 | 50 | 50/0 |
| 300 | 50 | 3/47 |
| 375 | 50 | 0/50 |
| 450 | 50 | 0/50 |
| 525 | 50 | 0/50 |
| 600 | 50 | 0/50 |

Lot 2

| Approximate Concentration of | | Results |
|------------------------------|--------------------------|-------------------|
| Sample (ng/mL) | Number of Determinations | Negative/Positive |
| 0 | 50 | 50/0 |
| 75 | 50 | 50/0 |
| 150 | 50 | 50/0 |
| 225 | 50 | 50/0 |
| 300 | 50 | 3/47 |
| 375 | 50 | 0/50 |
| 450 | 50 | 0/50 |
| 525 | 50 | 0/50 |
| 600 | 50 | 0/50 |

| Lot 3 | |
|-------|--|
|-------|--|

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 75 | 50 | 50/0 |
| 150 | 50 | 50/0 |
| 225 | 50 | 50/0 |
| 300 | 50 | 3/47 |
| 375 | 50 | 0/50 |
| 450 | 50 | 0/50 |
| 525 | 50 | 0/50 |
| 600 | 50 | 0/50 |

Precision and Sensitivity – Benzodiazepine 300

Lot 1

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| Sample (ng/mL) | | |
| 0 | 50 | 50/0 |
| 75 | 50 | 50/0 |
| 150 | 50 | 50/0 |
| 225 | 50 | 50/0 |
| 300 | 50 | 3/47 |
| 375 | 50 | 0/50 |
| 450 | 50 | 0/50 |
| 525 | 50 | 0/50 |
| 600 | 50 | 0/50 |

Lot 2

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 75 | 50 | 50/0 |
| 150 | 50 | 50/0 |
| 225 | 50 | 50/0 |
| 300 | 50 | 3/47 |
| 375 | 50 | 0/50 |
| 450 | 50 | 0/50 |
| 525 | 50 | 0/50 |
| 600 | 50 | 0/50 |

Lot 3

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 75 | 50 | 50/0 |
| 150 | 50 | 50/0 |
| 225 | 50 | 50/0 |
| 300 | 50 | 4/46 |
| 375 | 50 | 0/50 |
| 450 | 50 | 0/50 |
| 525 | 50 | 0/50 |
| 600 | 50 | 0/50 |

Precision and Sensitivity – Benzodiazepine 200

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Result | Precision |
|--|-----------------------------|-------------|-----------|
| 0 | 40 | 40 negative | >99% |
| 100 | 40 | 40 negative | >99% |
| 300 | 40 | 40 positive | >99% |

Precision and Sensitivity - Buprenorphine 10

Lot 2

1 at 2

| Lot 1 | • | |
|--|--------------------------|------------------------------|
| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
| 0 | 50 | 50/0 |
| 2.5 | 50 | 50/0 |
| 5 | 50 | 50/0 |
| 7.5 | 50 | 50/0 |
| 10 | 50 | 3/47 |
| 12.5 | 50 | 0/50 |
| 15 | 50 | 0/50 |
| 17.5 | 50 | 0/50 |
| 20 | 50 | 0/50 |

| Approximate Concentration of | | Results |
|------------------------------|--------------------------|-------------------|
| Sample (ng/mL) | Number of Determinations | Negative/Positive |
| 0 | 50 | 50/0 |
| 2.5 | 50 | 50/0 |
| 5 | 50 | 50/0 |
| 7.5 | 50 | 50/0 |
| 10 | 50 | 2/48 |
| 12.5 | 50 | 0/50 |
| 15 | 50 | 0/50 |
| 17.5 | 50 | 0/50 |
| 20 | 50 | 0/50 |

| Approximate Concentration of | | Results |
|------------------------------|--------------------------|-------------------|
| Sample (ng/mL) | Number of Determinations | Negative/Positive |
| 0 | 50 | 50/0 |
| 2.5 | 50 | 50/0 |
| 5 | 50 | 50/0 |
| 7.5 | 50 | 50/0 |
| 10 | 50 | 3/47 |
| 12.5 | 50 | 0/50 |
| 15 | 50 | 0/50 |
| 17.5 | 50 | 0/50 |
| 20 | 50 | 0/50 |

Precision and Sensitivity – Buprenorphine 5

| ······································ | | | | |
|--|-----------------------------|-------------|-----------|--|
| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Result | Precision | |
| 0 | 60 | 60 negative | >99% | |
| 2.5 | 60 | 60 negative | >99% | |
| 7.5 | 60 | 60 positive | >99% | |

Precision – Clonazepam

Test precision was determined by blind tests with control solutions. Controls with Benzodiazepines concentrations at 50% of the cut-off yielded negative results, and controls with Benzodiazepine concentrations at 150% of the cut-off yielded positive results.

Precision and Sensitivity – Cocaine 300

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 75 | 50 | 50/0 |
| 150 | 50 | 50/0 |
| 225 | 50 | 50/0 |
| 300 | 50 | 3/47 |
| 375 | 50 | 0/50 |
| 450 | 50 | 0/50 |
| 525 | 50 | 0/50 |
| 600 | 50 | 0/50 |

Lot 2

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 75 | 50 | 50/0 |
| 150 | 50 | 50/0 |
| 225 | 50 | 50/0 |
| 300 | 50 | 2/48 |
| 375 | 50 | 0/50 |
| 450 | 50 | 0/50 |
| 525 | 50 | 0/50 |
| 600 | 50 | 0/50 |

Lot 3

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 75 | 50 | 50/0 |
| 150 | 50 | 50/0 |
| 225 | 50 | 50/0 |
| 300 | 50 | 3/47 |
| 375 | 50 | 0/50 |
| 450 | 50 | 0/50 |
| 525 | 50 | 0/50 |
| 600 | 50 | 0/50 |

Precision and Sensitivity - Cocaine 150

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 37.5 | 50 | 50/0 |
| 75 | 50 | 50/0 |
| 112.5 | 50 | 50/0 |
| 150 | 50 | 3/47 |
| 187.5 | 50 | 0/50 |
| 225 | 50 | 0/50 |
| 262.5 | 50 | 0/50 |
| 300 | 50 | 0/50 |

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 37.5 | 50 | 50/0 |
| 75 | 50 | 50/0 |
| 112.5 | 50 | 50/0 |
| 150 | 50 | 3/47 |
| 187.5 | 50 | 0/50 |
| 225 | 50 | 0/50 |
| 262.5 | 50 | 0/50 |
| 300 | 50 | 0/50 |

| Lot 3 | | |
|--|--------------------------|------------------------------|
| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
| 0 | 50 | 50/0 |
| 37.5 | 50 | 50/0 |
| 75 | 50 | 50/0 |
| 112.5 | 50 | 50/0 |
| 150 | 50 | 3/47 |
| 187.5 | 50 | 0/50 |
| 225 | 50 | 0/50 |
| 262.5 | 50 | 0/50 |
| 300 | 50 | 0/50 |

Precision and Sensitivity - Cotinine

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Result | Precision |
|--|-----------------------------|-------------|-----------|
| 0 | 60 | 60 negative | >99% |
| 100 | 60 | 60 negative | >99% |
| 400 | 60 | 60 positive | >99% |

Precision and Sensitivity – 2-Ethylidene-1,5-Dimethyl-3,3-Diphenylpyrrolidine 300

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 75 | 50 | 50/0 |
| 150 | 50 | 50/0 |
| 225 | 50 | 50/0 |
| 300 | 50 | 2/48 |
| 375 | 50 | 0/50 |
| 450 | 50 | 0/50 |
| 525 | 50 | 0/50 |
| 600 | 50 | 0/50 |

Lot 2

| Approximate Concentration of | | Results |
|------------------------------|--------------------------|-------------------|
| Sample (ng/mL) | Number of Determinations | Negative/Positive |
| 0 | 50 | 50/0 |
| 75 | 50 | 50/0 |
| 150 | 50 | 50/0 |
| 225 | 50 | 50/0 |
| 300 | 50 | 2/48 |
| 375 | 50 | 0/50 |
| 450 | 50 | 0/50 |
| 525 | 50 | 0/50 |
| 600 | 50 | 0/50 |

Lot 3

| Approximate Concentration of | | Results |
|------------------------------|--------------------------|-------------------|
| Sample (ng/mL) | Number of Determinations | Negative/Positive |
| 0 | 50 | 50/0 |
| 75 | 50 | 50/0 |
| 150 | 50 | 50/0 |
| 225 | 50 | 50/0 |
| 300 | 50 | 2/48 |
| 375 | 50 | 0/50 |
| 450 | 50 | 0/50 |
| 525 | 50 | 0/50 |
| 600 | 50 | 0/50 |

Precision and Sensitivity – 2-Ethylidene-1,5-Dimethyl-3,3-Diphenylpyrrolidine 100

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Result | Precision |
|--|-----------------------------|-------------|-----------|
| Sample (ng/mL) | Determinations | Result | FIECISION |
| 0 | 60 | 60 negative | >99% |
| 50 | 60 | 60 negative | >99% |
| 150 | 60 | 60 positive | >99% |

Precision and Sensitivity – Ethyl Glucuronide

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Result | Precision |
|--|-----------------------------|-------------|-----------|
| 0 | 40 | 40 negative | >99% |
| 250 | 40 | 40 negative | >99% |
| 750 | 40 | 40 positive | >99% |

Precision and Sensitivity - Fentanyl

| Approximate Concentration of | Number of | | |
|------------------------------|----------------|-------------|-----------|
| Sample (ng/mL) | Determinations | Result | Precision |
| 0 | 60 | 60 negative | >99% |
| 5 | 60 | 60 negative | >99% |
| 15 | 60 | 60 positive | >99% |

Precision and Sensitivity – Ketamine

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Result | Precision |
|--|-----------------------------|-------------|-----------|
| 0 | 24 | 24 negative | >99% |
| 500 | 24 | 24 negative | >99% |
| 1,000 | 24 | 24 positive | >99% |
| 1,500 | 24 | 24 positive | >99% |

Precision and Sensitivity - Marijuana 50

| Approximate Concentration of | | Results |
|------------------------------|--------------------------|-------------------|
| Sample (ng/mL) | Number of Determinations | Negative/Positive |
| 0 | 50 | 50/0 |
| 12.5 | 50 | 50/0 |
| 25 | 50 | 50/0 |
| 37.5 | 50 | 50/0 |
| 50 | 50 | 2/48 |
| 62.5 | 50 | 0/50 |
| 75 | 50 | 0/50 |
| 87.5 | 50 | 0/50 |
| 100 | 50 | 0/50 |

Lot 2

| STE . | | |
|--|--------------------------|------------------------------|
| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
| 0 | 50 | 50/0 |
| 12.5 | 50 | 50/0 |
| 25 | 50 | 50/0 |
| 37.5 | 50 | 50/0 |
| 50 | 50 | 1/49 |
| 62.5 | 50 | 0/50 |
| 75 | 50 | 0/50 |
| 87.5 | 50 | 0/50 |
| 100 | 50 | 0/50 |

Lot 3

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 12.5 | 50 | 50/0 |
| 25 | 50 | 50/0 |
| 37.5 | 50 | 50/0 |
| 50 | 50 | 2/48 |
| 62.5 | 50 | 0/50 |
| 75 | 50 | 0/50 |
| 87.5 | 50 | 0/50 |
| 100 | 50 | 0/50 |

Precision and Sensitivity – Marijuana 20 Lot 1

| Approximate Concentration of | | Results |
|------------------------------|--------------------------|-------------------|
| Sample (ng/mL) | Number of Determinations | Negative/Positive |
| 0 | 50 | 50/0 |
| 5 | 50 | 50/0 |
| 10 | 50 | 50/0 |
| 15 | 50 | 50/0 |
| 20 | 50 | 3/47 |
| 25 | 50 | 0/50 |
| 30 | 50 | 0/50 |
| 35 | 50 | 0/50 |
| 40 | 50 | 0/50 |

Lot 2 Approximate Concentration of Results Number of Determinations Sample (ng/mL) Negative/Positive 50 50/0 0 5 50 50/0 10 50 50/0 15 50 50/0 20 3/47 50 25 50 0/50 30 50 0/50 35 50 0/50 40 50 0/50

Lot 3 Approximate Concentration of Sample (ng/mL) Results Number of Determinations Negative/Positive 0 50 50/0 50/0 5 50 10 50 50/0 15 50 50/0 20 50 2/48 25 50 0/50 30 50 0/50 35 50 0/50 40 50 0/50

Precision and Sensitivity - Methadone

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| Sample (lig/liic) | | |
| 0 | 50 | 50/0 |
| 75 | 50 | 50/0 |
| 150 | 50 | 50/0 |
| 225 | 50 | 50/0 |
| 300 | 50 | 3/47 |
| 375 | 50 | 0/50 |
| 450 | 50 | 0/50 |
| 525 | 50 | 0/50 |
| 600 | 50 | 0/50 |

Lot 2

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 75 | 50 | 50/0 |
| 150 | 50 | 50/0 |
| 225 | 50 | 50/0 |
| 300 | 50 | 3/47 |
| 375 | 50 | 0/50 |
| 450 | 50 | 0/50 |
| 525 | 50 | 0/50 |
| 600 | 50 | 0/50 |

Approximate Concentration of Results Number of Determinations Sample (ng/mL) Negative/Positive 50/0 50 0 75 50 50/0 150 50 50/0 225 50 50/0 300 50 3/47 375 50 0/50 450 50 0/50 525 50 0/50 600 50 0/50

Precision and Sensitivity – Methamphetamine 1000

| Approximate Concentration of | | Results |
|------------------------------|--------------------------|-------------------|
| Sample (ng/mL) | Number of Determinations | Negative/Positive |
| 0 | 50 | 50/0 |
| 250 | 50 | 50/0 |
| 500 | 50 | 50/0 |
| 750 | 50 | 50/0 |
| 1000 | 50 | 3/47 |
| 1250 | 50 | 0/50 |
| 1500 | 50 | 0/50 |
| 1750 | 50 | 0/50 |
| 2000 | 50 | 0/50 |

Lot 2

Lot 3

| Approximate Concentration of | | Results |
|------------------------------|--------------------------|-------------------|
| Sample (ng/mL) | Number of Determinations | Negative/Positive |
| 0 | 50 | 50/0 |
| 250 | 50 | 50/0 |
| 500 | 50 | 50/0 |
| 750 | 50 | 50/0 |
| 1000 | 50 | 2/48 |
| 1250 | 50 | 0/50 |
| 1500 | 50 | 0/50 |
| 1750 | 50 | 0/50 |
| 2000 | 50 | 0/50 |

Lot 3

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 250 | 50 | 50/0 |
| 500 | 50 | 50/0 |
| 750 | 50 | 50/0 |
| 1000 | 50 | 3/47 |
| 1250 | 50 | 0/50 |
| 1500 | 50 | 0/50 |
| 1750 | 50 | 0/50 |
| 2000 | 50 | 0/50 |

Precision and Sensitivity – Methamphetamine 500

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 125 | 50 | 50/0 |
| 250 | 50 | 50/0 |
| 375 | 50 | 50/0 |
| 500 | 50 | 2/48 |
| 625 | 50 | 0/50 |
| 750 | 50 | 0/50 |
| 875 | 50 | 0/50 |
| 1000 | 50 | 0/50 |

Lot 2

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 125 | 50 | 50/0 |
| 250 | 50 | 50/0 |
| 375 | 50 | 50/0 |
| 500 | 50 | 3/47 |
| 625 | 50 | 0/50 |
| 750 | 50 | 0/50 |
| 875 | 50 | 0/50 |
| 1000 | 50 | 0/50 |

Lot 3

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 125 | 50 | 50/0 |
| 250 | 50 | 50/0 |
| 375 | 50 | 50/0 |
| 500 | 50 | 2/48 |
| 625 | 50 | 0/50 |
| 750 | 50 | 0/50 |
| 875 | 50 | 0/50 |
| 1000 | 50 | 0/50 |

Precision and Sensitivity – Methamphetamine 300

| - | | | |
|--|-----------------------------|-------------|-----------|
| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Result | Precision |
| 0 | 40 | 40 negative | >99% |
| 150 | 40 | 40 negative | >99% |
| 450 | 40 | 40 positive | >99% |

Precision and Sensitivity - Methylenedioxymethamphetamine

| ot 1 | | |
|--|--------------------------|------------------------------|
| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
| 0 | 50 | 50/0 |
| 125 | 50 | 50/0 |
| 250 | 50 | 50/0 |
| 375 | 50 | 50/0 |
| 500 | 50 | 3/47 |
| 625 | 50 | 0/50 |
| 750 | 50 | 0/50 |
| 875 | 50 | 0/50 |
| 1000 | 50 | 0/50 |

Lot 2

| Approximate Concentration of | | Results |
|------------------------------|--------------------------|-------------------|
| Sample (ng/mL) | Number of Determinations | Negative/Positive |
| 0 | 50 | 50/0 |
| 125 | 50 | 50/0 |
| 250 | 50 | 50/0 |
| 375 | 50 | 50/0 |
| 500 | 50 | 2/48 |
| 625 | 50 | 0/50 |
| 750 | 50 | 0/50 |
| 875 | 50 | 0/50 |
| 1000 | 50 | 0/50 |

Lot 3

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 125 | 50 | 50/0 |
| 250 | 50 | 50/0 |
| 375 | 50 | 50/0 |
| 500 | 50 | 2/48 |
| 625 | 50 | 0/50 |
| 750 | 50 | 0/50 |
| 875 | 50 | 0/50 |
| 1000 | 50 | 0/50 |

Precision – Methylphenidate

Test precision was determined by blind tests with control solutions. Controls with Methylphenidate concentrations at 50% of the cut-off yielded negative results, and controls with Methylphenidate concentrations at 150% of the cut-off yielded positive results.

Precision and Sensitivity - Opiates 2000 Lot 1

| Approximate Concentration of | | Results |
|------------------------------|--------------------------|-------------------|
| Sample (ng/mL) | Number of Determinations | Negative/Positive |
| 0 | 50 | 50/0 |
| 500 | 50 | 50/0 |
| 1000 | 50 | 50/0 |
| 1500 | 50 | 50/0 |
| 2000 | 50 | 2/48 |
| 2500 | 50 | 0/50 |
| 3000 | 50 | 0/50 |
| 3500 | 50 | 0/50 |
| 4000 | 50 | 0/50 |

Lot 2

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 500 | 50 | 50/0 |
| 1000 | 50 | 50/0 |
| 1500 | 50 | 50/0 |
| 2000 | 50 | 3/47 |
| 2500 | 50 | 0/50 |
| 3000 | 50 | 0/50 |
| 3500 | 50 | 0/50 |
| 4000 | 50 | 0/50 |

Lot 3

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 500 | 50 | 50/0 |
| 1000 | 50 | 50/0 |
| 1500 | 50 | 50/0 |
| 2000 | 50 | 3/47 |
| 2500 | 50 | 0/50 |
| 3000 | 50 | 0/50 |
| 3500 | 50 | 0/50 |
| 4000 | 50 | 0/50 |

Precision and Sensitivity - Opiates 300

Lot 1

| Approximate concentration of sample (ng/mL) | Number of determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 75 | 50 | 50/0 |
| 150 | 50 | 50/0 |
| 225 | 50 | 50/0 |
| 300 | 50 | 2/48 |
| 375 | 50 | 0/50 |
| 450 | 50 | 0/50 |
| 525 | 50 | 0/50 |
| 600 | 50 | 0/50 |

Lot 2

| Approximate concentration of sample (ng/mL) | Number of determinations | Results Negative/Positive | | | |
|--|--------------------------|------------------------------|--|--|--|
| 0 | 50 | 50/0 | | | |
| 75 | 50 | 50/0 | | | |
| 150 | 50 | 50/0 | | | |
| 225 | 50 | 50/0 | | | |
| 300 | 50 | 3/47 | | | |
| 375 | 50 | 0/50 | | | |
| 450 | 50 | 0/50 | | | |
| 525 | 50 | 0/50 | | | |
| 600 | 50 | 0/50 | | | |

Lot 3

| Approximate concentration of sample (ng/mL) | Number of determinations | Results Negative/Positive | | |
|--|--------------------------|------------------------------|--|--|
| 0 | 50 | 50/0 | | |
| 75 | 50 | 50/0 | | |
| 150 | 50 | 50/0 | | |
| 225 | 50 | 50/0 | | |
| 300 | 50 | 2/48 | | |
| 375 | 50 | 0/50 | | |
| 450 | 50 | 0/50 | | |
| 525 | 50 | 0/50 | | |
| 600 | 50 | 0/50 | | |

Precision and Sensitivity - Oxycodone

Lot 1 Approximate Concentration of

| Sample (ng/mL) | Number of Determinations | Negative/Positive |
|----------------|--------------------------|-------------------|
| 0 | 50 | 50/0 |
| 25 | 50 | 50/0 |
| 50 | 50 | 50/0 |
| 75 | 50 | 50/0 |
| 100 | 50 | 3/47 |
| 125 | 50 | 0/50 |
| 150 | 50 | 0/50 |
| 175 | 50 | 0/50 |
| 200 | 50 | 0/50 |

Results

Lot 2

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 25 | 50 | 50/0 |
| 50 | 50 | 50/0 |
| 75 | 50 | 50/0 |
| 100 | 50 | 3/47 |
| 125 | 50 | 0/50 |
| 150 | 50 | 0/50 |
| 175 | 50 | 0/50 |
| 200 | 50 | 0/50 |

Lot 3

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 25 | 50 | 50/0 |
| 50 | 50 | 50/0 |
| 75 | 50 | 50/0 |
| 100 | 50 | 2/48 |
| 125 | 50 | 0/50 |
| 150 | 50 | 0/50 |
| 175 | 50 | 0/50 |
| 200 | 50 | 0/50 |

Precision and Sensitivity - Phencyclidine Lot 1

Approximate Concentration of Sample (ng/mL) Ni per of Dete

| Sample (ng/mL) | Number of Determinations | Negative/Positive |
|----------------|--------------------------|-------------------|
| 0 | 50 | 50/0 |
| 6.3 | 50 | 50/0 |
| 12.5 | 50 | 50/0 |
| 18.8 | 50 | 50/0 |
| 25 | 50 | 3/47 |
| 31.3 | 50 | 0/50 |
| 37.5 | 50 | 0/50 |
| 43.8 | 50 | 0/50 |
| 50 | 50 | 0/50 |

Results

Lot 2 Approximate Concentration of Sample (ng/mL) Results Negative/Positive Number of Determinations 0 50 50/0 50/0 6.3 50 12.5 50 50/0 18.8 50 50/0 25 50 3/47 31.3 50 0/50 0/50 37.5 50 43.8 50 0/50 50 50 0/50

| Lot 3 | | |
|--|--------------------------|------------------------------|
| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
| 0 | 50 | 50/0 |
| 6.3 | 50 | 50/0 |
| 12.5 | 50 | 50/0 |
| 18.8 | 50 | 50/0 |
| 25 | 50 | 3/47 |
| 31.3 | 50 | 0/50 |
| 37.5 | 50 | 0/50 |
| 43.8 | 50 | 0/50 |
| 50 | 50 | 0/50 |

Analytical Sensitivity – Pregabalin

The sensitivity of Pregabalin was determined by tested GC/MS confirmed controls to the concentration at negative, -50% cutoff, -25% cutoff, cutoff, +25% cutoff, +50% cutoff and 3 times of cutoff. The results are summarized below:

| Drug Conc. | | PGB | |
|-----------------|----|-----|----|
| (Cut-off Range) | N | - | + |
| Negative | 30 | 30 | 0 |
| 50% Cutoff | 30 | 30 | 0 |
| 75% Cutoff | 30 | 24 | 6 |
| Cutoff | 30 | 1 | 29 |
| 125% Cutoff | 30 | 2 | 28 |
| 150% Cutoff | 30 | 0 | 30 |
| 3x Cutoff | 30 | 0 | 30 |

Precision and Sensitivity - Propoxyphene

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Result | Precision | |
|--|-----------------------------|-------------|-----------|---|
| 0 | 60 | 60 negative | >99% | |
| 150 | 60 | 60 negative | >99% | |
| 450 | 60 | 60 positive | >99% | |
| 600 | 60 | 60 positive | >99% | Ĩ |

Precision and Sensitivity – Synthetic Cannabinoid (K2)

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Result | Precision |
|--|-----------------------------|-------------|-----------|
| 0 | 60 | 60 negative | >99% |
| 10 | 60 | 60 negative | >99% |
| 30 | 60 | 60 positive | >99% |

Precision and Sensitivity – Synthetic Cannabinoid (K3 AB-Pinaca)

| | Approximate Concentration of Sample (ng/mL) | Number of Determinations | Result | Precision |
|-----|--|-----------------------------|-------------|-----------|
| - [| 0 | 60 | 60 negative | >99% |
| ſ | 5 | 60 | 60 negative | >99% |
| ſ | 15 | 60 | 60 positive | >99% |

Precision and Sensitivity - Synthetic Cannabinoid (K4 UR-144)

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Result | Precision |
|--|-----------------------------|-------------|-----------|
| 0 | 60 | 60 negative | >99% |
| 12.5 | 60 | 60 negative | >99% |
| 37.5 | 60 | 60 positive | >99% |

Precision and Sensitivity - Tramadol

| | Approximate Concentration of Sample (ng/mL) | Number of Determinations | Result | Precision |
|-----|--|-----------------------------|-------------|-----------|
| | 0 | 60 | 60 negative | >99% |
| | 25 | 60 | 60 negative | >99% |
| - [| 75 | 60 | 60 positive | >99% |

Precision and Sensitivity - Tricyclic Antidepressants

| .01 1 | | |
|--|--------------------------|------------------------------|
| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
| 0 | 50 | 50/0 |
| 250 | 50 | 50/0 |
| 500 | 50 | 50/0 |
| 750 | 50 | 50/0 |
| 1000 | 50 | 2/48 |
| 1250 | 50 | 0/50 |
| 1500 | 50 | 0/50 |
| 1750 | 50 | 0/50 |
| 2000 | 50 | 0/50 |

Lot 2 Approximate Concentration of Results Number of Determinations Negative/Positive Sample (ng/mL) 50/0 50 0 250 50 50/0 50/0 500 50 750 50 50/0 1000 50 3/47 1250 50 0/50 1500 50 0/50 1750 50 0/50 50 2000 0/50

| Approximate Concentration of Sample (ng/mL) | Number of Determinations | Results Negative/Positive |
|--|--------------------------|------------------------------|
| 0 | 50 | 50/0 |
| 250 | 50 | 50/0 |
| 500 | 50 | 50/0 |
| 750 | 50 | 50/0 |
| 1000 | 50 | 3/47 |
| 1250 | 50 | 0/50 |
| 1500 | 50 | 0/50 |
| 1750 | 50 | 0/50 |
| 2000 | 50 | 0/50 |

SPECIFICITY AND CROSS REACTIVITY

To test the specificity of the test, the test device was used to test 6-Acetylmorphine, Amphetamine 1000, Amphetamine 300, Barbiturates, Benzodiazepine 300, Benzodiazepine 200, Buprenorphine 10, Buprenorphine 5, Clonazeparn, Cocaine 300, Cocaine 150, Cotinine, 2-Ethylidene-1,5-Dimethyl-3,3-Diphenyl-pyrrolidine 100, Ethylidene-1,5-Dimethyl-3,3-Diphenyl-pyrrolidine 100, Ethylidene-1,5-Dimethyl-3,3-Diphenyl-pyrrolidine 100, Ethylidene-1,5-Dimethyl-3,3-Diphenyl-pyrrolidine 100, Methamphetamine 500, Methamphetamine 300, Methylenedioxymethamphetamine 1000, Methylone, Phenoyclidine, Prepabalin, Propoxylhene, Synthetic Cannabinoid (K2), Synthetic Cannabinoid (K3), Synthetic Cannabinoid (K4), Tramadol, and Tricyclic Anti-depressants drug metabolites and other components of the same class that are likely to be present in urine. All the components were added to drug-free normal human urine. The following structurally related compounds produced positive results with the test when tested at levels equal to or greater than the concentrations listed below.

| 6-Acetylmorephine (6-ACM) | Result |
|---------------------------------------|--------------------------|
| (6-Acetylmorphine, Cutoff = 10 ng/mL) | Positive at 10 ng/mL |
| Morphine | Positive at 40 ng/mL |
| Bilirubin | Positive at 3,500 ng/mL |
| Codeine | Positive at 10 ng/mL |
| Diacetylmorphine | Positive at 50 ng/mL |
| Ethylmorphine | Positive at 24 ng/mL |
| Hydrocodone | Positive at 100 ng/mL |
| Hydromorphine | Positive at 100 ng/mL |
| Levorphanol | Positive at 400 ng/mL |
| Morphine3-β-D-Glucuronide | Positive at 50 ng/mL |
| Nalorphine | Positive at 10,000 ng/mL |
| Normorphine | Positive at 12,500 ng/mL |
| Norcodeine | Positive at 15,000 ng/mL |
| Oxycodone | Positive at 25,000 ng/mL |
| Oxymorphone | Positive at 25,000 ng/mL |
| Thebaine | Positive at 1,500 ng/mL |

| Amphetamine 1,000 | Result |
|--|---------------------------|
| (D-Amphetamine, Cutoff = 1,000 ng/mL) | Positive at 1,000 ng/mL |
| L-Amphetamine | Positive at 100,000 ng/mL |
| DL-Amphetamine | Positive at 500 ng/mL |
| (±)-3,4-Methylenedioxyamphetamine (MDA) | Positive at 1,300 ng/mL |
| Phentermine | Positive at 100,000 ng/mL |
| Apomorphine | Positive at 50,000 ng/mL |
| β-Phenethylamine | Positive at 25,000 ng/mL |
| Tyramine | Positive at 10,000 ng/mL |
| Tryptamine | Positive at 25,000 ng/mL |
| D-Methamphetamine | Negative at >100,000 |
| L-Methamphetamine | Negative at >100,000 |
| Ephedrine | Negative at >100,000 |
| 3,4-Methylenedioxyethylamphetamine (MDE) | Negative at >100,000 |

| Amphetamine 500 | Result |
|--|-------------------------------------|
| (D-Amphetamine, Cutoff = 500 ng/mL) | Positive at 500 ng/mL |
| L-Amphetamine | Positive at 60,000 ng/mL |
| DL-Amphetamine | Positive at 1,000 ng/mL |
| Methylenedioxyamphetamine (MDA) | Positive at 600 ng/mL |
| R-(-)-Apomorphine | Positive at 13,000 ng/mL |
| β-Phenylethylamine | Positive at 8,000 ng/mL |
| Tyramine | Positive at 5,000 ng/mL |
| Tryptamine | Positive at 100,000 ng/mL |
| Hydroxyamphetamine | Positive at 600 ng/mL |
| D-Pseudoephedrine | Negative at ≥ 10 ⁵ ng/mL |
| D-Methamphetamine | Negative at ≥ 10 ⁵ ng/mL |
| L-Methamphetamine | Negative at ≥ 10 ⁵ ng/mL |
| (±)-Methamphetamine | Negative at ≥ 10 ⁵ ng/mL |
| Ephedrine | Negative at ≥ 10 ⁵ ng/mL |
| 3,4-Methylenedioxy-N-ethylamphetamine (MDEA) | Negative at ≥ 10 ⁵ ng/mL |
| 3,4-Methylenedioxymethamphetamine (MDMA) | Negative at ≥ 10 ⁵ ng/mL |
| Phentermine | Negative at ≥ 10 ⁵ ng/mL |

| Amphetamine 300 | Result |
|-------------------------------------|--------------------------|
| (D-Amphetamine, Cutoff = 300 ng/mL) | Positive at 300 ng/mL |
| D,I-amphetamine | Positive at 500 ng/mL |
| I-amphetamine | Positive at 10,000 ng/mL |
| Phentermine | Positive at 400 ng/mL |
| (+/-)Methylenedioxyamphetamine | Positive at 500 ng/mL |

| Barbiturates | Result |
|---|--|
| (Butalbital, Cutoff = 300 ng/mL) | Positive at 300 ng/mL |
| Secobarbital | Positive at 300 ng/mL |
| Amobarbital | Positive at 3,000 ng/mL |
| Alphenal | Positive at 250 ng/mL |
| Aprobarbital | Positive at 200 ng/mL |
| Allobarbital | Positive at 500 ng/mL |
| Butabarbital | Positive at 1,000 ng/mL |
| Butethal | Positive at 500 ng/mL |
| Cyclopentobarbital | Positive at 300 ng/mL |
| Pentobarbital | Positive at 1,300 ng/mL |
| Phenobarbital | Positive at 1,900 ng/mL |
| Dames liserative and | Desert |
| Benzodiazepine 300 | Result |
| (Oxazepam, Cutoff = 300 ng/mL) | Positive at 300 ng/mL |
| Alprazolam | Positive at 125 ng/mL |
| α-Hydroxyalprazolam | Positive at 2,500 ng/mL |
| Bromazepam | Positive at 1,565 ng/mL |
| Chlordiazepoxide | Positive at 1,560 ng/mL |
| Clobazam | Positive at 65 ng/mL |
| Clonazepam | Positive at 10,000 ng/mL |
| Clorazepate Dipotassium | Positive at 195 ng/mL |
| Delorazepam | Positive at 1,560 ng/mL |
| Desalkylflurazepam | Positive at 1,565 ng/mL |
| Diazepam | Positive at 115 ng/mL |
| Estazolam | Positive at 165 ng/mL |
| Flunitrazepam | Positive at 166 ng/mL |
| Midazolam | Positive at 100 ng/mL |
| Nitrazepam | Positive at 300 ng/mL |
| Norchlordiazepoxide | Positive at 250 ng/mL |
| | |
| Nordiazepam | Positive at 400 ng/mL |
| Temazepam | Positive at 100 ng/mL |
| T 2 1 | |
| Triazolam | Positive at 2,500 ng/mL |
| DL-Lorazepam | Negative at ≤ 10 ⁵ ng/mL |
| | |
| DL-Lorazepam | Negative at ≤ 10 ⁵ ng/mL |
| DL-Lorazepam Methamphetamine Morphine | Negative at ≤ 10 ⁵ ng/mL Negative at ≤ 10 ⁵ ng/mL Negative at ≤ 10 ⁵ ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Result |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Result Positive at 200 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) α-Hydroxyalprazolam | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁵ ng/mL Result Positive at 200 ng/mL Positive at 400 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) a-Hydroxyalprazolam Alprazolam | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Result Positive at 200 ng/mL Positive at 400 ng/mL Positive at 75 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) a-Hydroxyalprazolam Alprazolam Bromazepam | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at 200 ng/mL Positive at 400 ng/mL Positive at 75 ng/mL Positive at 5,000 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) α-Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCI | Negative at ≤ 10 ⁵ ng/mL Negative at ≤ 10 ⁵ ng/mL Result Positive at 200 ng/mL Positive at 400 ng/mL Positive at 5 ng/mL Positive at 5 ng/mL Positive at 5 ng/mL Positive at 5 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) α-Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCl Clobazam | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at 200 ng/mL Positive at 400 ng/mL Positive at 75 ng/mL Positive at 75 ng/mL Positive at 5 ng/mL Positive at 9 ng/mL Positive at 9 ng/mL Positive at 15 ng/mL Positive at 30 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) a-Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCI Clobazam Clonazepam | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at 200 ng/mL Positive at 400 ng/mL Positive at 5,000 ng/mL Positive at 15 ng/mL Positive at 15 ng/mL Positive at 10 ng/mL Positive at 10 ng/mL Positive at 10 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazeparn, Cutoff = 200 ng/mL) α-Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCl Clobazam Clorazepam Clorazepate Dipotassium | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at 200 ng/mL Positive at 400 ng/mL Positive at 75 ng/mL Positive at 5,000 ng/mL Positive at 15 ng/mL Positive at 13 ng/mL Positive at 30 ng/mL Positive at 30 ng/mL Positive at 30 ng/mL Positive at 30 ng/mL Positive at 20,000 ng/mL Positive at 20,000 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) α-Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCI Clobazam Clonazepam Clorazepate Dipotassium Delorazepam | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at 200 ng/mL Positive at 400 ng/mL Positive at 5,000 ng/mL Positive at 5 ng/mL Positive at 15 ng/mL Positive at 30 ng/mL Positive at 30 ng/mL Positive at 30 ng/mL Positive at 20,000 ng/mL Positive at 20,000 ng/mL Positive at 20,000 ng/mL Positive at 10,000 ng/mL Positive at 1,000 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazeparn, Cutoff = 200 ng/mL) α-Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCl Clobazam Clorazepam Clorazepate Dipotassium | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at 200 ng/mL Positive at 400 ng/mL Positive at 75 ng/mL Positive at 5,000 ng/mL Positive at 15 ng/mL Positive at 13 ng/mL Positive at 30 ng/mL Positive at 30 ng/mL Positive at 30 ng/mL Positive at 30 ng/mL Positive at 20,000 ng/mL Positive at 20,000 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) α-Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCI Clobazam Clonazepam Clorazepate Dipotassium Delorazepam | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁵ ng/mL Negative at ≤ 10 ⁵ ng/mL Positive at ≤ 10 ⁶ ng/mL Positive at 400 ng/mL Positive at 5,000 ng/mL Positive at 5,000 ng/mL Positive at 15 ng/mL Positive at 20,000 ng/mL Positive at 2,000 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) a -Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCI Clobazam Clonazepam Clorazepate Dipotassium Delorazepam Desalkylflurazepam | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at 200 ng/mL Positive at 75 ng/mL Positive at 15 ng/mL Positive at 20,000 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) a-Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCI Clobazam Clonazepam Clonazepam Delorazepam Desalkyflfurazepam Diazepam | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁵ ng/mL Negative at ≤ 10 ⁵ ng/mL Positive at ≤ 10 ⁶ ng/mL Positive at 400 ng/mL Positive at 5,000 ng/mL Positive at 5,000 ng/mL Positive at 15 ng/mL Positive at 20,000 ng/mL Positive at 2,000 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazeparn, Cutoff = 200 ng/mL) α-Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCI Clobazam Clorazepam Clorazepam Clorazepam Delorazepam Desalkylflurazepam Desalkylflurazepam Estazolam | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 5,000 ng/mL Positive at 5,000 ng/mL Positive at 15 ng/mL Positive at 15 ng/mL Positive at 30 ng/mL Positive at 30 ng/mL Positive at 10,000 ng/mL Positive at 20,000 ng/mL Positive at 1,000 ng/mL Positive at 1,000 ng/mL Positive at 2000 ng/mL Positive at 200 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 ((Xazepam, Cutoff = 200 ng/mL) a-Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCI Clobazepam Clorazepam Clorazepam Deorazepam Deorazepam Desalkylflurazepam Diazepam Estazolam Flunitrazepam | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 75 ng/mL Positive at 30 ng/mL Positive at 2,000 ng/mL Positive at 2,000 ng/mL Positive at 260 ng/mL Positive at 260 ng/mL Positive at 50 ng/mL Positive at 50 ng/mL Positive at 260 ng/mL Positive at 200 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) a-Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCI Clohazam Clohazepam Clonazepam Delorazepam Delorazepam Desalkylflurazepam Desalkylflurazepam Estazolam Flunitrazepam (±) Lorazepam/RS-Lorazepam glucuronide | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at ≤ 10 ⁶ ng/mL Positive at 400 ng/mL Positive at 75 ng/mL Positive at 50 ng/mL Positive at 50 ng/mL Positive at 15 ng/mL Positive at 20,000 ng/mL Positive at 75 ng/mL Positive at 75 ng/mL Positive at 50 ng/mL Positive at 50 ng/mL Positive at 50 ng/mL Positive at 50 ng/mL Positive at 00 ng/mL Positive at 00 ng/mL Positive at 10 ng/mL Positive at 10 ng/mL Positive at 10 ng/mL Positive at 1,000 ng/mL Positive at 1,000 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) a-Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCI Clobazam Clonazepam Clonazepam Clorazepam Delorazepam Desalkyffurazepam Dasalkyffurazepam Diazepam Estazolam Flunitrazepam/ RS-Lorazepam glucuronide Midazolam | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at ≤ 10 ⁶ ng/mL Positive at 200 ng/mL Positive at 5,000 ng/mL Positive at 5,000 ng/mL Positive at 15 ng/mL Positive at 20,000 ng/mL Positive at 20,000 ng/mL Positive at 2,000 ng/mL Positive at 2,000 ng/mL Positive at 1,000 ng/mL Positive at 260 ng/mL Positive at 50 ng/mL Positive at 50 ng/mL Positive at 200 ng/mL Positive at 100 ng/mL Positive at 100 ng/mL Positive at 10,000 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazeparn, Cutoff = 200 ng/mL) a-Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCI Clobazam Clorazepam Clorazepam Clorazepam Delorazepam Desalkylflurazepam Estazolam Fiunitrazepam (±) Lorazepam/RS-Lorazepam glucuronide Midazolam Norchlordiazepoxide | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at 200 ng/mL Positive at 400 ng/mL Positive at 75 ng/mL Positive at 75 ng/mL Positive at 75 ng/mL Positive at 15 ng/mL Positive at 20,000 ng/mL Positive at 75 ng/mL Positive at 70 ng/mL Positive at 10 ng/mL Positive at 10,000 ng/mL Positive at 150 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) a-Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCI Clobazam Clonazepam Clorazepam Delorazepam Delorazepam Delorazepam Desalkyfifurazepam Diazepam Estazolam Flunitrazepam/ RS-Lorazepam glucuronide Midazolam Norchlordiazepoxide Nordiazepam/ Temazepam | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at 200 ng/mL Positive at 400 ng/mL Positive at 5,000 ng/mL Positive at 5,000 ng/mL Positive at 10 ⁶ ng/mL Positive at 10 ng/mL Positive at 10 ng/mL Positive at 20,000 ng/mL Positive at 2,000 ng/mL Positive at 20,000 ng/mL Positive at 20,000 ng/mL Positive at 260 ng/mL Positive at 200 ng/mL Positive at 10 ng/mL Positive at 10 ng/mL Positive at 10 ng/mL Positive at 10,000 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) a -Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCI Clobazam Clonazepam Clorazepate Dipotassium Delorazepam Delorazepam Delorazepam Desalkylflurazepam Diazepam Estazolam Filunitrazepam (±) Lorazepam/ RS-Lorazepam glucuronide Midazolam Norchlordiazepoxide Nordiazepam | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at 200 ng/mL Positive at 400 ng/mL Positive at 75 ng/mL Positive at 75 ng/mL Positive at 75 ng/mL Positive at 15 ng/mL Positive at 20,000 ng/mL Positive at 75 ng/mL Positive at 70 ng/mL Positive at 10 ng/mL Positive at 10,000 ng/mL Positive at 150 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) a-Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCI Clobazam Clonazepam Clorazepate Dipotassium Delorazepam Delorazepam Deasalkyfifurazepam Diazepam Estazolam Flunitrazepam/ RS-Lorazepam glucuronide Midazolam Norchiordiazepoxide Nordiazepam | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at 200 ng/mL Positive at 400 ng/mL Positive at 5,000 ng/mL Positive at 5,000 ng/mL Positive at 10 ⁶ ng/mL Positive at 10 ng/mL Positive at 10 ng/mL Positive at 20,000 ng/mL Positive at 2,000 ng/mL Positive at 20,000 ng/mL Positive at 20,000 ng/mL Positive at 260 ng/mL Positive at 200 ng/mL Positive at 10 ng/mL Positive at 10 ng/mL Positive at 10 ng/mL Positive at 10,000 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazeparn, Cutoff = 200 ng/mL) α-Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCI Clobazam Clorazepam Clorazepam Clorazepam Desalkyffurazepam Desalkyffurazepam Estazolam Flunitrazepam (±) Lorazepam/RS-Lorazepam glucuronide Midazolam Norchlordiazepoxide Nordiazepam Temazepam | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at 200 ng/mL Positive at 400 ng/mL Positive at 75 ng/mL Positive at 75 ng/mL Positive at 75 ng/mL Positive at 75 ng/mL Positive at 10 ng/mL Positive at 20,000 ng/mL Positive at 20,000 ng/mL Positive at 20,000 ng/mL Positive at 20,000 ng/mL Positive at 75 ng/mL Positive at 10 ng/mL Positive at 10,000 ng/mL Positive at 30,000 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) a-Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCI Clobazam Clonazepam Clorazepam Delorazepam Delorazepam Delorazepam Delorazepam Estazolam Flunitrazepam (±) Lorazepam/ RS-Lorazepam glucuronide Midazolam Norchlordiazepoxide Nordiazepam Temazepam Temazepam Triazolam | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at 200 ng/mL Positive at 400 ng/mL Positive at 5,000 ng/mL Positive at 5,000 ng/mL Positive at 10 ⁶ ng/mL Positive at 10 ng/mL Positive at 10 ng/mL Positive at 20,000 ng/mL Positive at 2,000 ng/mL Positive at 20,000 ng/mL Positive at 20,000 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 10,000 ng/mL Positive at 70 ng/mL Positive at 70 ng/mL Positive at 3,000 ng/mL Positive at 3,000 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) a-Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCI Clobazam Clorazepam Clorazepam Clorazepam Delorazepam Desalkylflurazepam Desalkylflurazepam Estazolam Filunitrazepam (±) Lorazepam/RS-Lorazepam glucuronide Midazolam Norchlordiazepoxide Nordiazepam Temazepam Temazepam Temazepam Triazolam Buprenorphine 10 (Buprenorphine-3-D-Glucuronide | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 5,000 ng/mL Positive at 5,000 ng/mL Positive at 20,000 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 750 ng/mL Positive at 10 ng/mL Positive at 10,000 ng/mL Positive at 10,000 ng/mL Positive at 150 ng/mL Positive at 150 ng/mL Positive at 150 ng/mL Positive at 10 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) a-Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCI Clobazam Clonazepam Clorazepate Dipotassium Delorazepam Delorazepam Delorazepam Delorazepam Delorazepam Delorazepam (±) Lorazepam/ RS-Lorazepam glucuronide Midazolam Norchlordiazepoxide Nordiazepoxide Nordiazepam Triazolam Buprenorphine 10 (Buprenorphine, Cutoff = 10 ng/mL) Buprenorphine | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at ≤ 10 ⁶ ng/mL Positive at 200 ng/mL Positive at 500 ng/mL Positive at 5 ng/mL Positive at 5 ng/mL Positive at 5 ng/mL Positive at 5 ng/mL Positive at 20,000 ng/mL Positive at 75 ng/mL Positive at 10,000 ng/mL Positive at 3,000 ng/mL Positive at 3,000 ng/mL Positive at 10 ng/mL Positive at 10 ng/mL Positive at 10 ng/mL Positive at 40 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) a-Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCI Clohazam Clonazepam Clorazepam Clorazepam Delorazepam Delorazepam Delorazepam Delorazepam Delorazepam Delorazepam Estazolam Flunitrazepam/ RS-Lorazepam glucuronide Midazolam Norchlordiazepoxide Norchlordiazepoxide Norchagepam Temazepam Temazepam Buprenorphine 10 (Buprenorphine-3-D-Glucuronide Norbuprenorphine-3-D-Glucuronide | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 5,000 ng/mL Positive at 5,000 ng/mL Positive at 30 ng/mL Positive at 30 ng/mL Positive at 10 ng/mL Positive at 20,000 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 10 ng/mL Positive at 10,000 ng/mL Positive at 10 ng/mL Positive at 00 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) a-Hydroxyalprazolam Alprazolam Alprazolam Chordiazepoxide HCI Clohazepam Clohazepam Clonazepam Clonazepam Clonazepam Clonazepam Delorazepam Delorazepam Desalkyflurazepam Desalkyflurazepam Desalkyflurazepam Diazepam Estazolam Flunitrazepam/ RS-Lorazepam glucuronide Midazolam Norchlordiazepoxide Nordiazepam Triazolam Euprenorphine 10 (Buprenorphine-3-D-Glucuronide Norbuprenorphine-3-D-Glucuronide Morphine | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at ≤ 10 ⁶ ng/mL Positive at 200 ng/mL Positive at 5,000 ng/mL Positive at 5,000 ng/mL Positive at 50 ng/mL Positive at 5,000 ng/mL Positive at 15 ng/mL Positive at 20,000 ng/mL Positive at 20,000 ng/mL Positive at 2,000 ng/mL Positive at 2,000 ng/mL Positive at 20,000 ng/mL Positive at 10,000 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 10,000 ng/mL Positive at 10,000 ng/mL Positive at 10,000 ng/mL Positive at 150 ng/mL Positive at 150 ng/mL Positive at 150 ng/mL Positive at 10 |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) a-Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCI Clohazam Clonazepam Clorazepam Clorazepam Delorazepam Delorazepam Delorazepam Delorazepam Delorazepam Delorazepam Estazolam Flunitrazepam/ (±) Lorazepam/ RS-Lorazepam glucuronide Midazolam Norchlordiazepoxide Nordiazepam Temazepam Temazepam Temazepam Buprenorphine 10 (Buprenorphine-3-D-Glucuronide Norbuprenorphine-3-D-Glucuronide | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 5,000 ng/mL Positive at 5,000 ng/mL Positive at 30 ng/mL Positive at 30 ng/mL Positive at 10 ng/mL Positive at 20,000 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 10 ng/mL Positive at 10,000 ng/mL Positive at 10 ng/mL Positive at 00 ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) a-Hydroxyalprazolam Alprazolam Alprazolam Chordiazepoxide HCI Clohazepam Clohazepam Clonazepam Clonazepam Clonazepam Clonazepam Delorazepam Delorazepam Desalkyflurazepam Desalkyflurazepam Desalkyflurazepam Diazepam Estazolam Flunitrazepam/ RS-Lorazepam glucuronide Midazolam Norchlordiazepoxide Nordiazepam Triazolam Euprenorphine 10 (Buprenorphine-3-D-Glucuronide Norbuprenorphine-3-D-Glucuronide Morphine | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at ≤ 10 ⁶ ng/mL Positive at 200 ng/mL Positive at 5,000 ng/mL Positive at 5,000 ng/mL Positive at 50 ng/mL Positive at 5,000 ng/mL Positive at 15 ng/mL Positive at 20,000 ng/mL Positive at 20,000 ng/mL Positive at 2,000 ng/mL Positive at 2,000 ng/mL Positive at 20,000 ng/mL Positive at 10,000 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 10,000 ng/mL Positive at 10,000 ng/mL Positive at 10,000 ng/mL Positive at 150 ng/mL Positive at 150 ng/mL Positive at 150 ng/mL Positive at 10 |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) a-Hydroxyalprazolam Alprazolam Alprazolam Chordiazepoxide HCI Clohazepam Clohazepam Clonazepam Clonazepam Clonazepam Clonazepam Delorazepam Delorazepam Desalkyflurazepam Desalkyflurazepam Desalkyflurazepam Diazepam Estazolam Flunitrazepam (e) Lorazepam/ RS-Lorazepam glucuronide Midazolam Norchordiazepoxide Nordiazepam Triazolam Triazolam Buprenorphine-3D-Glucuronide Norbuprenorphine-3D-Glucuronide Morphine Norbuprenorphine-3D-Glucuronide Morphine Morphine Morphine Morphine Suprenorphine 5 | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at ≤ 10 ⁶ ng/mL Positive at 400 ng/mL Positive at 5,000 ng/mL Positive at 5,000 ng/mL Positive at 50 ng/mL Positive at 10 ng/mL Positive at 10 ng/mL Positive at 20,000 ng/mL Positive at 10 ng/mL Positive at 200 ng/mL Positive at 50 ng/mL Positive at 200 ng/mL Positive at 10 ng/mL Positive at 750 ng/mL Positive at 750 ng/mL Positive at 150 ng/mL Positive at 15 ng/mL Positive at 15 ng/mL Positive at 16 ng/mL Positive at 10 ⁶ ng/mL Positive at 10 ⁶ ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) a -Hydroxyalprazolam Alprazolam Bromazepam Chordiazepoxide HCI Clobazam Clonazepam Clorazepate Dipotassium Delorazepam Delorazepam Desalkylflurazepam Desalkylflurazepam Diazepam Estazolam Filunitrazepam (±) Lorazepam/ RS-Lorazepam glucuronide Midazolam Norchlordiazepoxide Nordiazepoxide Nordiazepam Temazepam Temazepam Temazepam Temazepam Buprenorphine 10 (Buprenorphine-3-D-Glucuronide Norbuprenorphine-3-D-Glucuronide Norbuprenorphine-3-D-Glucuronide Norbuprenorphine-3-D-Glucuronide Norbuprenorphine-3-D-Glucuronide Norbuprenorphine-3-D-Glucuronide Norbuprenorphine-3-D-Glucuronide Norbuprenorphine-3-D-Glucuronide Norbuprenorphine-3-D-Glucuronide Norbuprenorphine-3-D-Glucuronide Morphine Oxymorphone Buprenorphine 5 (Buprenorphine, Cutoff = 5 ng/mL) | Negative at ≤ 10° ng/mL Negative at ≤ 10° ng/mL Negative at ≤ 10° ng/mL Positive at ≤ 10° ng/mL Positive at 400 ng/mL Positive at 75 ng/mL Positive at 20,000 ng/mL Positive at 20,000 ng/mL Positive at 20,000 ng/mL Positive at 20,000 ng/mL Positive at 75 ng/mL Positive at 70 ng/mL Positive at 10,000 ng/mL Positive at 70 ng/mL Positive at 70 ng/mL Positive at 70 ng/mL Positive at 10,000 ng/mL Positive at 10 ng/mL Positive at 10° ng/mL Positive at 10° ng/mL Positive at 10° ng/mL |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) a-Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCI Clohazam Clonazepam Clonazepam Delorazepam Delorazepam Delorazepam Delorazepam Delorazepam Delorazepam (±) Lorazepam/ RS-Lorazepam glucuronide Midazolam Norchlordiazepoxide Nordiazepoxide Nordiazepoxide Nordiazepam Temazepam Temazepam Temazepam Temazepam Temazepam Temazepam Triazolam Buprenorphine, Cutoff = 10 ng/mL) Buprenorphine-3-D-Glucuronide Norbuprenorphine Norbuprenorphine Suprenorphine, Cutoff = 5 ng/mL) Buprenorphine-3-D-Glucuronide | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at ≤ 10 ⁶ ng/mL Positive at ≤ 10 ⁶ ng/mL Positive at 400 ng/mL Positive at 50 ng/mL Positive at 50 ng/mL Positive at 50 ng/mL Positive at 50 ng/mL Positive at 20,000 ng/mL Positive at 2000 ng/mL Positive at 75 ng/mL Positive at 75 ng/mL Positive at 75 ng/mL Positive at 70 ng/mL Positive at 75 ng/mL Positive at 75 ng/mL Positive at 70 ng/mL Positive at 70 ng/mL Positive at 70 ng/mL Positive at 70 ng/mL Positive at 10 ng/mL <t< td=""></t<> |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) a-Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCI Clohazam Clonazepam Clorazepam Clorazepam Delorazepam Clorazepam Delorazepam Clorazepam Clorazepam Delorazepam Norchlordiazepoxide Nordiazepam Triazolam Buprenorphine-3-D-Glucuronide Norbuprenorphine-3-D-Glucuronide Morphine Oxymorphone Buprenorphine, Cutoff = 5 ng/mL) Buprenorphine, Cutoff = 5 ng/mL) Buprenorphine | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 5.000 ng/mL Positive at 5.000 ng/mL Positive at 5.000 ng/mL Positive at 30 ng/mL Positive at 3.000 ng/mL Positive at 3.000 ng/mL Positive at 2.000 ng/mL Positive at 50 ng/mL Positive at 50 ng/mL Positive at 1.000 ng/mL Positive at 1.00 ng/mL Positive at 1.00 ng/mL Positive at 1.0 ng/mL Positive at 1.0 ng/mL Positive at 1.00 ng/mL Positive at 1.0° ng/mL <td< td=""></td<> |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) a-Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCI Clohazepam Clonazepam Clorazepate Dipotassium Delorazepam Dioazepam Desalkyffurazepam Desalkyffurazepam Desalkyffurazepam Desalkyffurazepam Diazepam Estazolam Flunitrazepam (e) Lorazepam/ RS-Lorazepam glucuronide Midazolam Norchlordiazepoxide Nordiazepam Triazolam Buprenorphine-3-D-Glucuronide Morphine Norbuprenorphine, 2tuoff = 5 ng/mL) Buprenorphine-3-D-Glucuronide Norbuprenorphine, S-U-Glucuronide Norphine Norbuprenorphine, 3-D-Glucuronide Norphine Norbuprenorphine, 3-D-Glucuronide Norphine Norbuprenorphine, 3-D-Glucuronide Norphine Norbuprenorphine, 3-D-Glucuronide Norbuprenorphine, 3-D-Glucuronide Norbuprenorphine, 3-D-Glucuronide Norbuprenorphine, 3-D-Glucuronide Norbuprenorphine, 3-D-Glucuronide Norbuprenorphine, 3-D-Glucuronide Norbuprenorphine, 3-D-Glucuronide Norbuprenorphine, 3-D-Glucuronide Norbuprenorphine, 3-D-Glucuronide Norbuprenorphine, 3-D-Glucuronide | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at ≤ 10 ⁶ ng/mL Positive at 200 ng/mL Positive at 5,000 ng/mL Positive at 5,000 ng/mL Positive at 50 ng/mL Positive at 30 ng/mL Positive at 30 ng/mL Positive at 20,000 ng/mL Positive at 200 ng/mL Positive at 500 ng/mL Positive at 10 ng/mL Positive at 750 ng/mL Positive at 750 ng/mL Positive at 750 ng/mL Positive at 750 ng/mL Positive at 150 ng/mL Positive at 150 ng/mL Positive at 150 ng/mL Positive at 150 ng/mL Positive at 15 ng/mL Positive at 15 ng/mL Positive at 10 ⁶ ng/mL Positive at 15 ng/mL< |
| DL-Lorazepam Methamphetamine Morphine Benzodiazepine 200 (Oxazepam, Cutoff = 200 ng/mL) a-Hydroxyalprazolam Alprazolam Bromazepam Chlordiazepoxide HCI Clohazam Clohazepam Clorazepam Clorazepam Delorazepam Delorazepam Desalkyfltrazepam Desalkyfltrazepam Desalkyfltrazepam Diazepam Estazolam Flunitrazepam/ RS-Lorazepam glucuronide Midazolam Norchordiazepoxide Nordiazepam Temazepam Temazepam Temazepam Triazolam Buprenorphine-3-D-Glucuronide Norbuprenorphine-3-D-Glucuronide Morphine Norbuprenorphine-3-D-Glucuronide Morphine Norphine 5 (Buprenorphine, Cutoff = 5 ng/mL) Buprenorphine, Cutoff = 5 ng/mL) Buprenorphine | Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Negative at ≤ 10 ⁶ ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 5.000 ng/mL Positive at 5.000 ng/mL Positive at 5.000 ng/mL Positive at 30 ng/mL Positive at 3.000 ng/mL Positive at 3.000 ng/mL Positive at 2.000 ng/mL Positive at 50 ng/mL Positive at 50 ng/mL Positive at 1.000 ng/mL Positive at 1.00 ng/mL Positive at 1.00 ng/mL Positive at 1.0 ng/mL Positive at 1.0 ng/mL Positive at 1.00 ng/mL Positive at 1.0° ng/mL <td< td=""></td<> |

| Clonazepam | Result |
|---|---|
| (Clonazepam, Cutoff = 150 ng/mL) | Positive at 150 ng/mL |
| Alprazolam | Positive at 250 ng/mL |
| Bromazepam | Positive at 625 ng/mL |
| Chlordiazepoxide | Positive at 2,500 ng/mL |
| Clobazam | Positive at 63 ng/mL |
| Oxazepam | Positive at 30 ng/mL |
| Clorazepate | Positive at 3,330 ng/mL |
| Delorazepam | Positive at 2,500 ng/mL |
| Desalkflurazepam | Positive at 250 ng/mL |
| Diazepam | Positive at 250 ng/mL |
| Estazolam | Positive at 5,000 ng/mL |
| Flunitrazepam | Positive at 375 ng/mL |
| Lorazepam | Positive at 1,250 ng/mL |
| Lormetazepam | Positive at 1,250 ng/mL |
| Midazolam | Positive at 100,000 ng/mL |
| Nitrazepam | Positive at 25,000 ng/mL |
| Norchlordiazepoxide | Positive at 250 ng/mL |
| Nordiazepam | Positive at 500 ng/mL |
| Sulindac | Positive at 100,000 ng/mL |
| Temazepam | Positive at 125 ng/mL |
| Triazolam | Positive at 5,000 ng/mL |
| Cocaine 300 | Result |
| | Positive at 300 ng/mL |
| (Benzoylecgonine, Cutoff = 300 ng/mL) Cocaine Hydrochloride | Positive at 500 ng/mL |
| Cocaethylene | >100,000 ng/mL |
| Ecgonine | >100,000 ng/mL |
| Edgonine | >100,000 fightic |
| Cocaine 150 | Result |
| (Benzoylecgonine, Cutoff = 150 ng/mL) | Positive at 150 ng/mL |
| Cocaine Hydrochloride | Positive at 3,000 ng/mL |
| Norcocaine | Negative at ≥ 10 ⁵ ng/mL |
| Cocaethylene | Negative at ≥ 10 ⁵ ng/mL |
| Ecgonine | Negative at ≥ 10 ⁵ ng/mL |
| | |
| Cotinine | Result |
| ((-)-Cotinine, Cutoff = 200 ng/mL) | Positive at 200 ng/mL |
| (-)-Nicotine | Positive at 6,250 ng/mL |
| 2-Ethylidene-1,5-Dimethyl-3,3-Diphenylpyrrolidine 300 | Result |
| (2-Ethylidene-1,5-Dimethyl-3,3-Diphenylpyrrolidine, Cutoff = 300 ng/mL) | |
| | |
| 2-Ethyl-5-Methyl-3,3-Diphenylpyrroline (EMDP) | Negative at ≤ 10 ⁵ ng/mL |
| Disopyramide | Negative at ≤ 10 ⁵ ng/mL |
| Methadone | Negative at ≤ 10 ⁵ ng/mL |
| Levo-α-Acetylmethadol (LAAM) | Negative at ≤ 10 ⁵ ng/mL |
| Alphamethadol | Negative at ≤ 10 ⁵ ng/mL |
| Doxylamine | Negative at ≤ 10 ⁵ ng/mL |
| 2-Ethylidene-1,5-Dimethyl-3,3-Diphenylpyrrolidine 100 | Result |
| (2-Ethylidene-1,5-Dimethyl-3,3-Diphenylpyrrolidine, Cutoff = 100 ng/mL) | |
| Disopyramide | Negative at ≤ 15,000 ng/mL |
| Mianserin | Negative at ≤ 25,000 ng/mL |
| Tramadol | Negative at ≤ 60,000 ng/mL |
| Venlafaxine hydrochloride | Negative at ≤ 30,000 ng/mL |
| | |
| | |
| Ethyl Glucuronide (ETG) | Result |
| Ethyl Glucuronide (ETG) (Ethyl-β-D-glucuronide, Cutoff = 500 ng/mL) | Result Positive at 500 ng/mL |
| (Ethyl-β-D-glucuronide, Cutoff = 500 ng/mL) | Positive at 500 ng/mL |
| (Ethyl-β-D-glucuronide, Cutoff = 500 ng/mL) Fentanyl | Positive at 500 ng/mL Result |
| (Ethyl-β-D-glucuronide, Cutoff = 500 ng/mL) Fentanyl (Fentanyl, Cutoff = 10 ng/mL) | Positive at 500 ng/mL Result Positive at 10 ng/mL |
| (Ethyl-β-D-glucuronide, Cutoff = 500 ng/mL) Fentanyl (Fentanyl, Cutoff = 10 ng/mL) Valeryl fentanyl HCl | Positive at 500 ng/mL Result Positive at 10 ng/mL Positive at 5,000 ng/mL |
| (Ethyl-β-D-glucuronide, Cutoff = 500 ng/mL) Fentanyl (Fentanyl, Cutoff = 10 ng/mL) Valeryl fentanyl HCl Butyryl fentanyl | Positive at 500 ng/mL Result Positive at 10 ng/mL Positive at 5,000 ng/mL Positive at 50 ng/mL |
| (Ethyl-β-D-glucuronide, Cutoff = 500 ng/mL) Fentanyl (Fentanyl, Cutoff = 10 ng/mL) Valeryl fentanyl HCI Butyryl fentanyl Furanyl fentanyl HCI | Positive at 500 ng/mL Result Positive at 10 ng/mL Positive at 5,000 ng/mL Positive at 50 ng/mL Positive at 250 ng/mL |
| (Ethyl-β-D-glucuronide, Cutoff = 500 ng/mL) Fentanyl (Fentanyl, Cutoff = 10 ng/mL) Valeryl fentanyl HCl Butyryl fentanyl | Positive at 500 ng/mL Result Positive at 10 ng/mL Positive at 5,000 ng/mL Positive at 50 ng/mL |
| (Ethyl-β-D-glucuronide, Cutoff = 500 ng/mL) Fentanyl (Fentanyl, Cutoff = 10 ng/mL) Valeryl fentanyl HCI Butyryl fentanyl Furanyl fentanyl HCI | Positive at 500 ng/mL Result Positive at 10 ng/mL Positive at 5,000 ng/mL Positive at 50 ng/mL Positive at 250 ng/mL |
| (Ethyl-β-D-glucuronide, Cutoff = 500 ng/mL) Fentanyl (Fentanyl, Cutoff = 10 ng/mL) Valeryl fentanyl HCl Butrynl fentanyl Furanyl fentanyl Furanyl fentanyl HCl Norfentanyl oxalate | Positive at 500 ng/mL Result Positive at 10 ng/mL Positive at 5,000 ng/mL Positive at 50 ng/mL Positive at 250 ng/mL Positive at 25 ng/mL |
| (Etryl-β-D-glucuronide, Cutoff = 500 ng/mL) Fentanyl (Fentanyl, Cutoff = 10 ng/mL) Valeryl fentanyl HCI Butyryl fentanyl Furanyl fentanyl Furanyl fentanyl Norfentanyl oxalate Ocfentanil | Positive at 500 ng/mL Result Positive at 10 ng/mL Positive at 50 ng/mL Positive at 50 ng/mL Positive at 250 ng/mL Positive at 25 ng/mL Positive at 5,000 ng/mL |

| Ketamine | Result |
|--|--|
| Ketamine (Ketamine, Cutoff = 1,000 ng/mL) | Result Positive at 1,000 ng/mL |
| Methadone | Positive at 100,000 ng/mL |
| Meperidine | Positive at 30,000 ng/mL |
| Methamphetamine | Positive at 40,000 ng/mL |
| Methoxyphenamine | Positive at 20,000 ng/mL |
| D-methamphetamine | Positive at 40,000 ng/mL |
| Promethazine | Positive at 50,000 ng/mL |
| Phencyclidine | Positive at 10,000 ng/mL |
| Bupivacaine | Positive at 20,000 ng/mL |
| Disopyramide | Positive at 100,000 ng/mL |
| Eserine | Positive at 70,000 ng/mL |
| Glutathione reduced | Positive at 50,000 ng/mL |
| Mianserin | Positive at 30,000 ng/mL |
| Naphazoline hydrochloride | Positive at 20,000 ng/mL |
| Nomifensine | Positive at 100,000 ng/mL |
| Prilocaine | Positive at 50,000 ng/mL |
| Promazine | Positive at 100,000 ng/mL |
| Pyrilamine | Positive at 50,000 ng/mL |
| Thioridazine hydrochloride | Positive at 100,000 ng/mL |
| Benzthiazide | Positive at 100,000 ng/mL |
| Picrotoxin | Positive at 10,000 ng/mL |
| Phenyltoloxamine | Positive at 100,000 ng/mL |
| 2,4,6-Trimethylbenzamide | Positive at 100,000 ng/mL |
| Nordiazepam | Positive at 390 ng/mL |
| Oxazepam | Positive at 300 ng/mL |
| Temazepam | Positive at 100 ng/mL |
| Triazolam | Positive at 2,500 ng/mL |
| Marijuana 50 | Result |
| $(11-\text{nor}-\Delta^9-\text{THC}-9-\text{COOH}, \text{Cutoff} = 50 \text{ ng/mL})$ | Positive at 50 ng/mL |
| 11-hydroxy-Δ ⁹ -Tetrahydrocannabinol | Positive at 15,000 ng/mL |
| Δ^8 -Tetrahydrocannabinol | Positive at 8,000 ng/mL |
| Δ^9 -Tetrahydrocannabinol | Positive at 7,000 ng/mL |
| Cannabinol | >200,000 |
| Cannabidiol | >200,000 |
| | |
| Marijuana 20 | Result |
| (11-nor- Δ^9 -THC-9-COOH, Cutoff = 20 ng/mL) | Positive at 20 ng/mL |
| 11-hydroxy-∆9-Tetrahydrocannabinol | Positive at 8,000 ng/mL |
| Δ ⁸ -Tetrahydrocannabinol | Positive at 5,000 ng/mL |
| Δ ⁹ -Tetrahydrocannabinol | Positive at 3,000 ng/mL |
| 11-Nor-Δ ⁸ -Tetrahydrocannabinol-9-COOH | Positive at 30 ng/mL |
| 11-Nor-Δ ⁹ -THC-Carboxy Glucuronide | Positive at 5,000 ng/mL |
| Cannabinol | Negative at > 10 ⁵ ng/mL |
| Cannabidiol | Negative at > 10 ⁵ ng/mL |
| Methadone | Result |
| (Methadone, Cutoff = 300 ng/mL) | Positive at 300 ng/mL |
| Levo-a-Acetylmethadol | ° |
| Alphamethadol | Positive at 10 000 pg/ml |
| Doxylamine | Positive at 10,000 ng/mL Negative at < 10 ⁵ ng/ml |
| Donynaminto | Negative at ≤ 10 ⁵ ng/mL |
| 2-Ethylidene-1 5-Dimethyl-3 3-Diphenylovrrolidine | Negative at $\leq 10^5$ ng/mLNegative at $\leq 10^5$ ng/mL |
| 2-Ethylidene-1,5-Dimethyl-3,3-Diphenylpyrrolidine 2-Ethyl-5-Methyl-3,3-Diphenylpyrroline | Negative at ≤ 10 ⁵ ng/mL Negative at ≤ 10 ⁵ ng/mL Negative at ≤ 10 ⁵ ng/mL |
| 2-Ethylidene-1,5-Dimethyl-3,3-Diphenylpyrrolidine 2-Ethyl-5-Methyl-3,3-Diphenylpyrroline | Negative at $\leq 10^5$ ng/mLNegative at $\leq 10^5$ ng/mL |
| | Negative at ≤ 10 ⁵ ng/mL Negative at ≤ 10 ⁵ ng/mL Negative at ≤ 10 ⁵ ng/mL |
| 2-Ethyl-5-Methyl-3,3-Diphenylpyrroline | Negative at ≤ 10 ⁵ ng/mL |
| 2-Ethyl-5-Methyl-3,3-Diphenylpyrroline Methamphetamine 1000 | Negative at ≤ 10 ⁵ ng/mL Result |
| 2-Ethyl-5-Methyl-3,3-Diphenylpyrroline Methamphetamine 1000 (D-Methamphetamine, Cutoff = 1,000 ng/mL) | Negative at ≤ 10 ⁵ ng/mL Result Positive at 1,000 ng/mL |
| 2-Ethyl-5-Methyl-3,3-Diphenylpyrroline Methamphetamine 1000 (D-Methamphetamine, Cutoff = 1,000 ng/mL) (±)-3,4-Methylenedioxy-n-ethylamphetamine (MDEA) | Negative at ≤ 10 ⁵ ng/mL Result Positive at 1,000 ng/mL Positive at 41,600 ng/mL |
| 2-Ethyl-5-Methyl-3,3-Diphenylpyrroline Methamphetamine 1000 (D-Methamphetamine, Cutoff = 1,000 ng/mL) (±)-3,4-Methylenedioxy-n-ethylamphetamine (MDEA) DL-Methamphetamine | Negative at ≤ 10 ⁵ ng/mL Negative at ≤ 10 ⁵ ng/mL Negative at ≤ 10 ⁵ ng/mL Result Positive at 1,000 ng/mL Positive at 1,600 ng/mL Positive at 1,000 ng/mL |
| 2-Ethyl-5-Methyl-3,3-Diphenylpyrroline Methamphetamine 1000 (D-Methamphetamine, Cutoff = 1,000 ng/mL) (±)-3,4-Methylenedioxy-n-ethylamphetamine (MDEA) DL-Methamphetamine p-Hydroxymethamphetamine | Negative at ≤ 10 ⁵ ng/mL Negative at ≤ 10 ⁵ ng/mL Negative at ≤ 10 ⁵ ng/mL Result Positive at 1,000 ng/mL Positive at 41,600 ng/mL Positive at 1,000 ng/mL Positive at 1,000 ng/mL Positive at 27,000 ng/mL |
| 2-Ethyl-5-Methyl-3,3-Diphenylpyrroline Methamphetamine 1000 (D-Methamphetamine, Cutoff = 1,000 ng/mL) (±)-3,4-Methylenedioxy-n-ethylamphetamine (MDEA) DL-Methamphetamine p-Hydroxymethamphetamine (±)-3,4-Methylenedioxymethamphetamine (MDMA) | Negative at ≤ 10 ⁵ ng/mL Negative at ≤ 10 ⁵ ng/mL Negative at ≤ 10 ⁵ ng/mL Result Positive at ≤ 10 ⁵ ng/mL Positive at 1,000 ng/mL Positive at 1,000 ng/mL Positive at 27,000 ng/mL Positive at 27,000 ng/mL Positive at 8,000 ng/mL Positive at 10,000 ng/mL Positive at 10,000 ng/mL |
| 2-Ethyl-5-Methyl-3,3-Diphenylpyrroline Methamphetamine 1000 (D-Methamphetamine, Cutoff = 1,000 ng/mL) (±)-3,4-Methylenedioxy-n-ethylamphetamine (MDEA) DL-Methamphetamine p-Hydroxymethamphetamine (±)-3,4-Methylenedioxymethamphetamine (MDMA) L-Methamphetamine | Negative at ≤ 10 ⁵ ng/mL Positive at 1,000 ng/mL Positive at 1,600 ng/mL Positive at 1,600 ng/mL Positive at 10 ⁵ ng/mL Positive at 27,000 ng/mL Positive at 8,000 ng/mL Positive at 10,000 ng/mL |
| 2-Ethyl-5-Methyl-3,3-Diphenylpyrroline Methamphetamine 1000 (D-Methamphetamine, Cutoff = 1,000 ng/mL) (±)-3,4-Methylenedioxy-n-ethylamphetamine (MDEA) DL-Methamphetamine p-Hydroxymethamphetamine (±)-3,4-Methylenedioxymethamphetamine (MDMA) L-Methamphetamine Trimethobenzamide | Negative at ≤ 10 ⁵ ng/mL Negative at ≤ 10 ⁵ ng/mL Negative at ≤ 10 ⁵ ng/mL Result Positive at ≤ 10 ⁵ ng/mL Positive at 1,000 ng/mL Positive at 1,000 ng/mL Positive at 27,000 ng/mL Positive at 27,000 ng/mL Positive at 8,000 ng/mL Positive at 10,000 ng/mL Positive at 10,000 ng/mL |
| 2-Ethyl-5-Methyl-3,3-Diphenylpyrroline Methamphetamine 1000 (D-Methamphetamine, Cutoff = 1,000 ng/mL) (±)-3,4-Methylenedioxy-n-ethylamphetamine (MDEA) DL-Methamphetamine p-Hydroxymethamphetamine (±)-3,4-Methylenedioxymethamphetamine (MDMA) L-Methamphetamine Trimethobenzamide Chloroquine | Negative at ≤ 10 ⁵ ng/mL Result Positive at 1,000 ng/mL Positive at 41,600 ng/mL Positive at 41,600 ng/mL Positive at 27,000 ng/mL Positive at 8,000 ng/mL Positive at 10 ⁵ ng/mL Negative at 21,000 ng/mL Positive at 10 ⁵ ng/mL |
| 2-Ethyl-5-Methyl-3,3-Diphenylpyrroline Methamphetamine 1000 (D-Methamphetamine, Cutoff = 1,000 ng/mL) (±)-3,4-Methylenedioxy-n-ethylamphetamine (MDEA) DL-Methamphetamine p-Hydroxymethamphetamine (±)-3,4-Methylenedioxymethamphetamine (MDMA) L-Methamphetamine Trimethobenzamide Chloroquine Ephedrine | Negative at ≤ 10 ⁵ ng/mL Positive at 1,000 ng/mL Positive at 1,000 ng/mL Positive at 27,000 ng/mL Positive at 27,000 ng/mL Positive at 10,000 ng/mL Positive at 10,000 ng/mL Positive at 27,000 ng/mL Positive at 10,000 ng/mL Negative at 4 10 ⁵ ng/mL Negative at 4 10 ⁵ ng/mL Negative at 5 10 ⁵ ng/mL |
| 2-Ethyl-5-Methyl-3,3-Diphenylpyrroline Methamphetamine 1000 (D-Methamphetamine, Cutoff = 1,000 ng/mL) (±)-3,4-Methylenedioxy-n-ethylamphetamine (MDEA) DL-Methamphetamine p-Hydroxymethamphetamine (±)-3,4-Methylenedioxymethamphetamine (MDMA) L-Methamphetamine Trimethobenzamide Chloroquine Ephedrine Fenfluramine Procaine (Novocain) Ranitidine (Zantac) | Negative at ≤ 10 ⁵ ng/mL Positive at 1,000 ng/mL Positive at 1,600 ng/mL Positive at 27,000 ng/mL Positive at 27,000 ng/mL Positive at 10,000 ng/mL Positive at 27,000 ng/mL Positive at 10,000 ng/mL Positive at 10,000 ng/mL Negative at ≤ 10 ⁶ ng/mL |
| 2-Ethyl-5-Methyl-3,3-Diphenylpyrroline Methamphetamine 1000 (D-Methamphetamine, Cutoff = 1,000 ng/mL) (±)-3,4-Methylenedioxy-n-ethylamphetamine (MDEA) DL-Methamphetamine p-Hydroxymethamphetamine (±)-3,4-Methylenedioxymethamphetamine (MDMA) L-Methamphetamine Trimethobenzamide Chloroquine Ephedrine Fenfluramine Procaine (Novocain) Ranitdine (Zantac) D-Amphetamine | Negative at ≤ 10 ⁵ ng/mL Positive at 1,000 ng/mL Positive at 1,000 ng/mL Positive at 27,000 ng/mL Positive at 27,000 ng/mL Positive at 10,000 ng/mL Positive at 10,000 ng/mL Positive at 27,000 ng/mL Positive at 10,000 ng/mL Negative at 4 10 ⁵ ng/mL Negative at 4 10 ⁵ ng/mL Negative at 5 10 ⁵ ng/mL |
| 2-Ethyl-5-Methyl-3,3-Diphenylpyrroline Methamphetamine 1000 (D-Methamphetamine, Cutoff = 1,000 ng/mL) (±)-3,4-Methylenedioxy-n-ethylamphetamine (MDEA) DL-Methamphetamine p-Hydroxymethamphetamine (MDMA) (±)-3,4-Methylenedioxymethamphetamine (MDMA) (±)-3,4-Methylenedioxymethamphetamine (MDMA) L-Methamphetamine Trimethobenzamide Chloroquine Ephedrine Fenfluramine Procaine (Novocain) Ranitidine (Zantac) | Negative at ≤ 10 ⁵ ng/mL Positive at 1,000 ng/mL Positive at 1,600 ng/mL Positive at 27,000 ng/mL Positive at 27,000 ng/mL Positive at 30,000 ng/mL Positive at 10,000 ng/mL Positive at 10,000 ng/mL Positive at 10,000 ng/mL Negative at ≤ 10 ⁵ ng/mL |
| 2-Ethyl-5-Methyl-3,3-Diphenylpyrroline Methamphetamine 1000 (D-Methamphetamine, Cutoff = 1,000 ng/mL) (±)-3,4-Methylenedioxy-n-ethylamphetamine (MDEA) DL-Methamphetamine p-Hydroxymethamphetamine (±)-3,4-Methylenedioxymethamphetamine (MDMA) L-Methamphetamine Trimethobenzamide Chloroquine Ephedrine Fenfluramine Procaine (Novocain) Ranitdine (Zantac) D-Amphetamine | Negative at ≤ 10 ⁵ ng/mL Result Positive at 1,000 ng/mL Positive at 41,600 ng/mL Positive at 41,600 ng/mL Positive at 27,000 ng/mL Positive at 41,600 ng/mL Positive at 27,000 ng/mL Positive at 10,000 ng/mL Positive at 10 ⁵ ng/mL Negative at ≤ 10 ⁵ ng/mL |

| Methamphetamine 500 | |
|--|---|
| | Result |
| (D-Methamphetamine, Cutoff = 500 ng/mL) | Positive at 500 ng/mL |
| (±)3,4-Methylenedioxy-n-ethylamphetamine (MDEA) | Positive at 20,000 ng/mL |
| (±)-Methamphetamine | Positive at 1,000 ng/mL |
| p-Hydroxymethamphetamine | Positive at 16,000 ng/mL |
| (±)-3,4-MDMA | Positive at 2,000 ng/mL |
| L-Methamphetamine | Positive at 5,000 ng/mL |
| Fenfluramine | Positive at 40,000 ng/mL |
| L-Amphetamine | Positive at 60,000 ng/mL |
| D-Pseudoephedrine | Negative at ≤ 10 ⁵ ng/mL |
| Trimethobenzamide | Negative at ≤ 10 ⁵ ng/mL |
| Chloroquine | Negative at ≤ 10 ⁵ ng/mL |
| Ephedrine | Negative at ≤ 10 ⁵ ng/mL |
| Procaine (Novocaine) | Negative at ≤ 10 ⁵ ng/mL |
| Ranitidine (Zantac) | Negative at ≤ 10 ⁵ ng/mL |
| D-Amphetamine | Negative at ≤ 10 ⁵ ng/mL |
| Oxazepam | Negative at ≤ 10 ⁵ ng/mL |
| Morphine | Negative at ≤ 10 ⁵ ng/mL |
| (±)-3,4-MDA | Negative at ≤ 10 ⁵ ng/mL |
| | _ 0 0 |
| Methamphetamine 300 | Result |
| (D-Methamphetamine, Cutoff = 300 ng/mL) | Positive at 300 ng/mL |
| (±)3,4-Methylenedioxy-n-ethylamphetamine (MDEA) | Positive at 20,000 ng/mL |
| (±)-Methamphetamine | Positive at 1,000 ng/mL |
| P-Hydroxymethamphetamine | Positive at 16,000 ng/mL |
| (±)3.4-MDMA | Positive at 2,000 ng/mL |
| L-Methamphetamine | Positive at 5,000 ng/mL |
| Fenfluramine | Positive at 40,000 ng/mL |
| L-Amphetamine | Positive at 60,000 ng/mL |
| D-Pseudoephedrine | Negative at < 100,000 ng/mL |
| Trimethobenzamide | Negative at < 100,000 ng/mL |
| Chloroquine | Negative at < 100,000 ng/mL |
| Ephedrine | Negative at ≤ 100,000 ng/mL |
| Procaine (Novaocaine) | |
| Ranitidine (Zantac) | Negative at < 100,000 ng/mL |
| · · · | Negative at < 100,000 ng/mL |
| D-Amphetamine | Negative at < 100,000 ng/mL |
| Oxazepam | Negative at < 100,000 ng/mL |
| Morphine | Negative at < 100,000 ng/mL |
| (+/-) 3,4-MDA | Negative at < 100,000 ng/mL |
| Methylenedioxymethamphetamine | Result |
| (Methylenedioxymethamphetamine, Cutoff = 500 ng/mL) | Positive at 500 ng/mL |
| 3,4-Methylenedioxyamphetamine HCI (MDA) | Positive at 8,000 ng/mL |
| 3,4-Methylenedioxyethylamphetamine (MDEA) | Positive at 1,000 ng/mL |
| (-)-Ψ-Ephedrine | Positive at 40,000 ng/mL |
| D-Methamphetamine | Negative at ≤ 10 ⁵ ng/mL |
| D-Amphetamine | Negative at ≤ 10 ⁵ ng/mL |
| L-Amphetamine | Negative at ≤ 10 ⁵ ng/mL |
| • | |
| L-Methamphetamine | Negative at ≤ 10 ⁵ ng/mL |
| Methylphenidate | Result |
| (Methylphenidate, Cutoff = 300 ng/mL) | Positive at 300 ng/mL |
| | |
| Opiates 2000 | Result |
| (Morphine, Cutoff = 2,000 ng/mL) | Positive at 2,000 ng/mL |
| Codeine | Positive at 1,000 ng/mL |
| Ethylmorphine | Positive at 560 ng/mL |
| Hydrocodone | Positive at 5,000 ng/mL |
| Hudromorphono | Positive at 7,315 ng/mL |
| nyuromorphone | Positive at 16,000 ng/mL |
| | |
| | Positive at 1,000 ng/mL |
| Levorphanol 6-Monoacetylmorphine | Positive at 1,000 ng/mL Positive at 1,300 ng/mL |
| Levorphanol 6-Moncacetylmorphine Morphine 3-β-D-Glucuronide | Positive at 1,300 ng/mL |
| Morphine 3-β-D-Glucuronide Thebaine | Positive at 1,300 ng/mL Negative at ≤ 10 ⁵ ng/mL |
| Levorphanol 6-Monoacetylmorphine Morphine 3-β-D-Glucuronide Thebaine Norcodeine | Positive at 1,300 ng/mL Negative at ≤ 10 ⁵ ng/mL Negative at ≤ 10 ⁵ ng/mL |
| Levorphanol 6-Monoacetylmorphine Morphine 3-β-D-Glucuronide Thebaine Norcodeine Normorphine | Positive at 1,300 ng/mL Negative at $\leq 10^5$ ng/mL Negative at $\leq 10^5$ ng/mL Negative at $\leq 10^5$ ng/mL |
| Levorphanol 6-Monoacetylmorphine Morphine 3-β-D-Glucuronide Thebaine Norcodeine Normorphine Oxycodone | Positive at 1,300 ng/mL Negative at ≤ 10 ⁵ ng/mL |
| Levorphanol 6-Monoacetylmorphine Morphine 3-β-D-Glucuronide Thebaine Norcodeine Normorphine Oxycodone Oxymorphone | Positive at 1,300 ng/mL Negative at ≤ 10 ⁵ ng/mL |
| Levorphanol 6-Moncacetylmorphine Morphine 3-β-D-Glucuronide Thebaine Norcodeine Normorphine Oxycodone Oxycone Procaine | Positive at 1,300 ng/mL Negative at ≤ 10° ng/mL |
| Levorphanol 6-Moncacetylmorphine Morphine 3-β-D-Glucuronide Thebaine Norcodeine Normorphine Oxycodone Oxymorphone | Positive at 1,300 ng/mL Negative at ≤ 10 ⁵ ng/mL |

| Opiates 300 | Result |
|--|---|
| (Morphine, Cutoff = 300 ng/mL) | Positive at 300 ng/mL |
| 6-Acetylmorphine | Positive at 750 ng/mL |
| Codeine | Positive at 300 ng/mL |
| Ethylmorphine | Positive at 200 ng/mL |
| Heroin | Positive at 700 ng/mL |
| Hydromorphone | Positive at 4,000 ng/mL |
| Hydrocodone | Positive at 2,000 ng/mL |
| Levorphanol | Positive at 12,000 ng/mL |
| • | - |
| Thebaine | Positive at 90,000 ng/mL |
| Methyprylon | Positive at 4,000 ng/mL |
| Morphine-3-β-D-Glucuronide | Positive at 450 ng/mL |
| Oxycodone | Negative at ≤ 10 ⁵ ng/mL |
| Procaine | Negative at ≤ 10 ⁵ ng/mL |
| | |
| Oxycodone | Result |
| (Oxycodone, Cutoff = 100 ng/mL) | Positive at 100 ng/mL |
| Oxymorphone | Positive at 2,000 ng/mL |
| Dihydrocodeine | Positive at 50,000 ng/mL |
| Hydrocodone | Positive at 10,000 ng/mL |
| Heroin | Negative at ≤ 10 ⁵ ng/mL |
| Morphine 3-β-D-Glucuronide | Negative at ≤ 10 ⁵ ng/mL |
| Codeine | Negative at ≤ 10 ⁵ ng/mL |
| Hydromorphone | Negative at ≤ 10 ⁵ ng/mL |
| | |
| Morphine | Negative at ≤ 10 ⁵ ng/mL |
| Acetylmorphine | Negative at ≤ 10 ⁵ ng/mL |
| Buprenorphine | Negative at ≤ 10 ⁵ ng/mL |
| Ethylmorphine | Negative at ≤ 10 ⁵ ng/mL |
| | |
| Phencyclidine | Result |
| (Phencyclidine, Cutoff = 25 ng/mL) | Positive at 25 ng/mL |
| Phencyclidine Morpholine | Positive at 625 ng/mL |
| 4-Hydroxyphencyclidine | Positive at 250 ng/mL |
| | |
| Pregabalin | |
| - | Result |
| (Pregabalin Cutoff = 500 ng/mL) | Positive at 500 ng/mL |
| - | |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin | Positive at 500 ng/mL Positive at >20,000 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) | Positive at 500 ng/mL Positive at >20,000 ng/mL Result |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) | Positive at 500 ng/mL Positive at >20,000 ng/mL Result |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 1,500 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid (K2) | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 1,500 ng/mL Result Result |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 1,500 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid (K2) | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 1,500 ng/mL Result Result |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid (K2) Synthetic Cannabinoid, Cutoff = 20 ng/mL) | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 1,500 ng/mL Result Positive at 20 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid (K2) Synthetic Cannabinoid, Cutoff = 20 ng/mL) JWH-018 5-pentanoic acid metabolite | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 1,500 ng/mL Result Positive at 20 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid (K2) Synthetic Cannabinoid, Cutoff = 20 ng/mL) JWH-018 5-pentanoic acid metabolite JWH-073 4-butanoic acid metabolite MAM2201 N-pentanoic acid metabolite | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 1,500 ng/mL Positive at 20 ng/mL Positive at 200 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid (K2) Synthetic Cannabinoid, Cutoff = 20 ng/mL) JWH-018 5-pentanoic acid metabolite JWH-034 4-butanoic acid metabolite MAM2201 N-pentanoic acid metabolite JWH-398 N-pentanoic acid metabolite | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 1,500 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL Positive at 200 ng/mL Positive at 400 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid (K2) Synthetic Cannabinoid (Cutoff = 20 ng/mL) JWH-018 5-pentanoic acid metabolite JWH-073 4-butancic acid metabolite JWH-329 N-pentanoic acid metabolite JWH-329 N-pentanoic acid metabolite JWH-3210 N-(5-carboxypentyl) metabolite | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 300 ng/mL Result Positive at 20 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 2,500 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid (K2) Synthetic Cannabinoid, Cutoff = 20 ng/mL) JWH-018 5-pentanoic acid metabolite JWH-073 4-butanoic acid metabolite JWH-073 4-butanoic acid metabolite JWH-3201 N-pentanoic acid metabolite JWH-3210 N-(5-carboxypentyl) metabolite JWH-073 3-hydroxybutyl metabolite | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 300 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 2,500 ng/mL Positive at 2,500 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid, (K2) Synthetic Cannabinoid, Cutoff = 20 ng/mL) JWH-018 5-pentanoic acid metabolite JWH-073 4-butanoic acid metabolite JWH-073 4-butanoic acid metabolite JWH-073 98 N-pentanoic acid metabolite JWH-398 N-pentanoic acid metabolite JWH-201 N-(5-carboxypentyl) metabolite JWH-013 3-hydroxybutyl metabolite JWH-018 N-4-hydroxypentyl | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 1,500 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 2,000 ng/mL Positive at 2,500 ng/mL Positive at 2,500 ng/mL Positive at 8,000 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid (K2) Synthetic Cannabinoid, Cutoff = 20 ng/mL) JWH-018 5-pentanoic acid metabolite JWH-073 4-butanoic acid metabolite JWH-073 4-butanoic acid metabolite JWH-073 4-butanoic acid metabolite JWH-013 3-hydroxybutyl metabolite JWH-073 4-hydroxypentyl JWH-073 4-hydroxypentyl | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 1,500 ng/mL Positive at 20 ng/mL Positive at 2,500 ng/mL Positive at 2,500 ng/mL Positive at 8,000 ng/mL Positive at 4,000 ng/mL Positive at 4,000 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid (K2) Synthetic Cannabinoid, Cutoff = 20 ng/mL) JWH-018 5-pentanoic acid metabolite JWH-073 4-butanoic acid metabolite JWH-073 4-butanoic acid metabolite JWH-398 N-pentanoic acid metabolite JWH-073 4-hydroxypentyl JWH-019 5-hydroxybutyl metabolite | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 300 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL Positive at 200 ng/mL Positive at 2,500 ng/mL Positive at 40,000 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid (K2) Synthetic Cannabinoid, Cutoff = 20 ng/mL) JWH-018 5-pentanoic acid metabolite JWH-073 4-butanoic acid metabolite JWH-073 3-hydroxybutyl metabolite JWH-073 3-hydroxybutyl metabolite JWH-073 3-hydroxybutyl metabolite JWH-073 3-hydroxybutyl metabolite JWH-018 N-4-hydroxybutyl metabolite JWH-018 5-hydroxyhexyl metabolite JWH-018 5-hydroxypentyl metabolite | Positive at 500 ng/mL Positive at >20,000 ng/mL Positive at >20,000 ng/mL Positive at 300 ng/mL Positive at 1,500 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 2,500 ng/mL Positive at 2,500 ng/mL Positive at 40,000 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid (K2) Synthetic Cannabinoid, Cutoff = 20 ng/mL) JWH-018 5-pentanoic acid metabolite JWH-073 4-butanoic acid metabolite JWH-073 4-butanoic acid metabolite JWH-398 N-pentanoic acid metabolite JWH-073 4-hydroxypentyl JWH-019 5-hydroxybutyl metabolite | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 300 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL Positive at 200 ng/mL Positive at 2,500 ng/mL Positive at 40,000 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid (K2) Synthetic Cannabinoid (Cutoff = 20 ng/mL) JWH-018 5-pentanoic acid metabolite JWH-73 4-butanoic acid metabolite JWH-73 4-butanoic acid metabolite JWH-973 N-pentanoic acid metabolite JWH-973 N-pentanoic acid metabolite JWH-973 N-pentanoic acid metabolite JWH-973 A-hydroxybutyl metabolite JWH-973 4-hydroxybutyl metabolite JWH-073 4-hydroxybutyl metabolite JWH-073 4-hydroxybutyl metabolite JWH-073 5-hydroxyhexyl metabolite JWH-073 5-hydroxyhexyl metabolite JWH-073 5-hydroxyhexyl metabolite | Positive at 500 ng/mL Positive at >20,000 ng/mL Positive at >20,000 ng/mL Positive at 300 ng/mL Positive at 1,500 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 2,500 ng/mL Positive at 2,500 ng/mL Positive at 40,000 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid (K2) Synthetic Cannabinoid, Cutoff = 20 ng/mL) JWH-018 5-pentanoic acid metabolite JWH-073 4-butanoic acid metabolite JWH-398 N-pentanoic acid metabolite JWH-398 N-pentanoic acid metabolite JWH-398 N-pentanoic acid metabolite JWH-393 3-hydroxybutyl metabolite JWH-018 N-4-hydroxypentyl JWH-018 S-hydroxyhetyl metabolite JWH-018 5-hydroxyhetyl metabolite JWH-122 5-hydroxyhetyl metabolite | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 1,500 ng/mL Positive at 20 ng/mL Positive at 400 ng/mL Positive at 2,500 ng/mL Positive at 4,000 ng/mL Positive at 40,000 ng/mL Positive at 50,000 ng/mL Positive at 50,000 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid (K2) Synthetic Cannabinoid, Cutoff = 20 ng/mL) JWH-018 5-pentanoic acid metabolite JWH-018 5-pentanoic acid metabolite JWH-073 4-butanoic acid metabolite JWH-398 N-pentanoic acid metabolite JWH-201 N-(5-carboxypentyl) metabolite JWH-101 N-(5-carboxypentyl) JWH-018 N-4-hydroxypentyl JWH-018 N-4-hydroxypentyl JWH-019 N-(5-carboxypentyl) JWH-019 N-(5-carboxypentyl) JWH-019 N-(5-carboxypentyl) JWH-019 N-(5-carboxypentyl) JWH-015 N-4-hydroxypentyl JWH-015 N-4-hydroxypentyl JWH-015 N-4-hydroxypentyl JWH-015 S-hydroxypentyl metabolite JWH-122 S-hydroxypentyl metabolite JWH-122 A-hydroxypentyl metabolite | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 1,500 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 2,500 ng/mL Positive at 4,000 ng/mL Positive at 40,000 ng/mL Positive at 40,000 ng/mL Positive at 40,000 ng/mL Positive at 50,000 ng/mL Positive at 50,000 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid (K2) Synthetic Cannabinoid, Cutoff = 20 ng/mL) JWH-018 5-pentanoic acid metabolite JWH-073 4-butanoic acid metabolite JWH-073 4-butanoic acid metabolite JWH-073 4-butanoic acid metabolite JWH-398 N-pentanoic acid metabolite JWH-398 N-pentanoic acid metabolite JWH-398 N-pentanoic acid metabolite JWH-013 3-hydroxybutyl metabolite JWH-013 N-4-hydroxypentyl JWH-013 A-hydroxybutyl metabolite JWH-019 5-hydroxypentyl metabolite JWH-124 2-hydroxypentyl metabolite JWH-124 2-hydroxypentyl metabolite JWH-2019 6-hydroxypentyl metabolite JWH-019 6-hydroxyhexyl metabolite | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 1,500 ng/mL Positive at 20 ng/mL Positive at 400 ng/mL Positive at 2,500 ng/mL Positive at 40,000 ng/mL Positive at 50,000 ng/mL Positive at 50,000 ng/mL Positive at 50,000 ng/mL Positive at 50,000 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid (K2) Synthetic Cannabinoid, Cutoff = 20 ng/mL) JWH-018 5-pentanoic acid metabolite JWH-073 4-butanoic acid metabolite JWH-073 4-butanoic acid metabolite JWH-073 3-hydroxybutyl metabolite JWH-073 3-hydroxybutyl metabolite JWH-073 3-hydroxybutyl metabolite JWH-073 3-hydroxybutyl metabolite JWH-073 3-hydroxybutyl metabolite JWH-018 N-4-hydroxypentyl JWH-019 5-hydroxypentyl metabolite JWH-019 5-hydroxypentyl metabolite JWH-019 5-hydroxypentyl metabolite JWH-122 5-hydroxypentyl metabolite JWH-196-hydroxypentyl metabolite JWH-019 6-hydroxypentyl metabolite JWH-019 6-hydroxypentyl metabolite RCS-4 N-(5-carboxypentyl) metabolite | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 1,500 ng/mL Positive at 20 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 2,500 ng/mL Positive at 40,000 ng/mL Positive at 50,000 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid (K2) Synthetic Cannabinoid, Cutoff = 20 ng/mL) JWH-018 5-pentanoic acid metabolite JWH-073 4-butanoic acid metabolite JWH-398 N-pentanoic acid metabolite JWH-393 A-butanoic acid metabolite JWH-393 N-pentanoic acid metabolite JWH-101 N-(5-carboxypentyl) metabolite JWH-1018 N-4-hydroxypentyl JWH-019 S-hydroxypentyl metabolite JWH-1019 S-hydroxypentyl metabolite JWH-112 Z-hydroxypentyl metabolite JWH-122 A-hydroxypentyl metabolite JWH-124 A-hydroxypentyl metabolite JWH-125 A-hydroxypentyl metabolite JWH-126 A-hydroxypentyl metabolite JWH-127 A-hydroxypentyl metabolite JWH-128 A-hydroxypentyl metabolite JWH-128 A-hydroxypentyl metabolite JWH-128 A-hydroxypentyl metabolite J | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 1,500 ng/mL Positive at 20 ng/mL Positive at 2,500 ng/mL Positive at 4,000 ng/mL Positive at 4,000 ng/mL Positive at 40,000 ng/mL Positive at 40,000 ng/mL Positive at 50,000 ng/mL Positive at 70,000 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid (K2) Synthetic Cannabinoid, Cutoff = 20 ng/mL) JWH-018 5-pentanoic acid metabolite JWH-073 4-butancic acid metabolite JWH-398 N-pentanoic acid metabolite JWH-398 N-pentanoic acid metabolite JWH-398 N-pentanoic acid metabolite JWH-398 N-pentanoic acid metabolite JWH-393 S-hydroxybutyl metabolite JWH-018 N-4-hydroxypentyl JWH-015 S-hydroxybentyl metabolite JWH-015 S-hydroxypentyl metabolite JWH-122 4-hydroxypentyl metabolite JWH-122 4-hydroxypentyl metabolite JWH-124 5-hydroxypentyl metabolite JWH-195 6-hydroxypentyl metabolite JWH-192 6-h | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 1,500 ng/mL Positive at 20 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 2,500 ng/mL Positive at 2,500 ng/mL Positive at 4,000 ng/mL Positive at 40,000 ng/mL Positive at 40,000 ng/mL Positive at 45,000 ng/mL Positive at 50,000 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid (K2) Synthetic Cannabinoid, Cutoff = 20 ng/mL) JWH-018 5-pentanoic acid metabolite JWH-018 5-pentanoic acid metabolite JWH-398 N-pentanoic acid metabolite JWH-393 3-hydroxybutyl metabolite JWH-073 3-hydroxybutyl metabolite JWH-018 N-4-hydroxypentyl JWH-018 5-hydroxypentyl JWH-019 5-hydroxypentyl metabolite JWH-1018 5-hydroxypentyl metabolite JWH-122 5-hydroxypentyl metabolite JWH-124 5-hydroxypentyl metabolite JWH-125 5-hydroxypentyl metabolite JWH-124 5-hydroxypentyl metabolite JWH-125 5-hydroxypentyl metabolite JWH-126 5-hydroxypentyl metabolite JWH-126 5-hydroxypentyl metabolite JWH-127 5-hydroxypentyl metabolite JWH-128 5-hydroxypentyl metabolite JWH-124 5-hydroxypentyl metabolite JWH-125 5-hydroxypen | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 1,500 ng/mL Positive at 20 ng/mL Positive at 2,500 ng/mL Positive at 4,000 ng/mL Positive at 4,000 ng/mL Positive at 40,000 ng/mL Positive at 40,000 ng/mL Positive at 50,000 ng/mL Positive at 70,000 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid (K2) Synthetic Cannabinoid, Cutoff = 20 ng/mL) JWH-018 5-pentanoic acid metabolite JWH-018 5-pentanoic acid metabolite JWH-3018 5-pentanoic acid metabolite JWH-301 N-pentanoic acid metabolite JWH-30201 N-pentanoic acid metabolite JWH-303 3-butanoic acid metabolite JWH-303 3-hydroxybutyl metabolite JWH-1018 N-4-hydroxypentyl JWH-013 3-hydroxybutyl metabolite JWH-1018 N-4-hydroxypentyl JWH-1018 5-hydroxypentyl metabolite JWH-1018 6-hydroxypentyl metabolite JWH-1019 6-hydroxypentyl metabolite ZCS-4 N-(S-carboxypentyl) metabolite Trifluoperazine dihydrochloride Trifluoperazine hydrocchloride Z,4.6-Trime | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 1,500 ng/mL Positive at 20 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 2,500 ng/mL Positive at 4,000 ng/mL Positive at 4,000 ng/mL Positive at 40,000 ng/mL Positive at 40,000 ng/mL Positive at 40,000 ng/mL Positive at 50,000 ng/mL Positive at 70,000 ng/mL Positive at 100,000 ng/mL Positive at 100,000 ng/mL Positive at 100,000 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid (K2) Synthetic Cannabinoid, Cutoff = 20 ng/mL) JWH-018 5-pentanoic acid metabolite JWH-018 5-pentanoic acid metabolite JWH-073 4-butanoic acid metabolite JWH-398 N-pentanoic acid metabolite JWH-393 a-hydroxypentyl JWH-108 N-4-hydroxypentyl JWH-018 N-4-hydroxypentyl JWH-019 N-4-hydroxypentyl metabolite JWH-019 5-hydroxypentyl metabolite JWH-1019 5-hydroxypentyl metabolite JWH-112 2-hydroxypentyl metabolite JWH-122 4-hydroxypentyl metabolite JWH-124 4-hydroxypentyl metabolite JWH-125 5-hydroxypentyl metabolite JWH-124 4-hydroxypentyl metabolite JWH-124 5-hydroxypentyl metabolite JWH-125 4-hydroxypentyl metabolite Tifluoperazine hydrochloride 2,4,6-Trimethylbenzamide Synthetic Cannabinoid - AB-Pinaca (K3) <td>Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 1,500 ng/mL Positive at 20 ng/mL Positive at 200 ng/mL Positive at 2,500 ng/mL Positive at 4,000 ng/mL Positive at 4,000 ng/mL Positive at 40,000 ng/mL Positive at 40,000 ng/mL Positive at 50,000 ng/mL Positive at 10,000 ng/mL Positive at 100,000 ng/mL Positive at 100,000 ng/mL Positive at 100,000 ng/mL</td> | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 1,500 ng/mL Positive at 20 ng/mL Positive at 200 ng/mL Positive at 2,500 ng/mL Positive at 4,000 ng/mL Positive at 4,000 ng/mL Positive at 40,000 ng/mL Positive at 40,000 ng/mL Positive at 50,000 ng/mL Positive at 10,000 ng/mL Positive at 100,000 ng/mL Positive at 100,000 ng/mL Positive at 100,000 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid (K2) Synthetic Cannabinoid, Cutoff = 20 ng/mL) JWH-018 5-pentanoic acid metabolite JWH-073 4-butanoic acid metabolite JWH-2018 5-pentanoic acid metabolite JWH-2019 N-pentanoic acid metabolite JWH-2019 N-pentanoic acid metabolite JWH-2019 N-pentanoic acid metabolite JWH-2019 N-pentanoic acid metabolite JWH-2019 N-(5-carboxypentyl) metabolite JWH-1019 S-hydroxypentyl JWH-1019 S-hydroxypentyl metabolite JWH-102 S-hydroxypentyl metabolite JWH-102 S-hydroxypentyl metabolite JWH-103 S-hydroxypentyl metabolite JWH-104 S-hydroxypentyl metabolite JWH-105 S-hydroxypentyl metabolite JWH-1019 S-hydroxypentyl metabolite JWH-1019 S-hydroxypentyl metabolite JWH-1019 S-hydroxypentyl metabolite JWH-1019 S-hydroxypentyl metabolite Trifluoperazine hydrochloride Trifluoperazine hydrochloride 2,4,6-Trimethylbenzamide Synthetic Cannabinoid – AB-Pinaca (K3) (AB-Fin | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 1,500 ng/mL Positive at 20 ng/mL Positive at 200 ng/mL Positive at 400 ng/mL Positive at 40,000 ng/mL Positive at 40,000 ng/mL Positive at 40,000 ng/mL Positive at 40,000 ng/mL Positive at 50,000 ng/mL Positive at 70,000 ng/mL Positive at 100,000 ng/mL Positive at 100,000 ng/mL Positive at 100,000 ng/mL Positive at 100,000 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid (K2) Synthetic Cannabinoid, Cutoff = 20 ng/mL) JWH-018 5-pentanoic acid metabolite JWH-073 4-butanoic acid metabolite JWH-1018 5-pentanoic acid metabolite JWH-201 N-pentanoic acid metabolite JWH-201 N-pentanoic acid metabolite JWH-201 N-fo-carboxypentyl) JWH-201 N-(5-carboxypentyl) JWH-201 N-(5-carboxypentyl) JWH-201 N-(5-carboxypentyl] JWH-013 8-hydroxypentyl JWH-019 5-hydroxypentyl JWH-019 5-hydroxypentyl metabolite JWH-1019 5-hydroxypentyl metabolite JWH-102 5-hydroxypentyl metabolite JWH-103 6-hydroxypentyl metabolite JWH-104 6-hydroxypentyl metabolite JWH-105 6-hydroxypentyl metabolite JWH-109 6-hydroxypentyl metabolite JWH-1019 6-hydroxypentyl metabolite | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 1,500 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 2,500 ng/mL Positive at 4,000 ng/mL Positive at 4,0,000 ng/mL Positive at 40,000 ng/mL Positive at 50,000 ng/mL Positive at 10,000 ng/mL Positive at 10,000 ng/mL Positive at 10,000 ng/mL Positive at 10 ng/mL Positive at 10 ng/mL Positive at 200 ng/mL |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid (K2) Synthetic Cannabinoid, Cutoff = 20 ng/mL) JWH-018 5-pentanoic acid metabolite JWH-018 5-pentanoic acid metabolite JWH-018 5-pentanoic acid metabolite JWH-018 5-pentanoic acid metabolite JWH-018 S-pentanoic acid metabolite JWH-038 N-pentanoic acid metabolite JWH-073 3-hydroxybutyl metabolite JWH-073 3-hydroxybutyl metabolite JWH-073 3-hydroxybutyl metabolite JWH-018 5-hydroxypentyl metabolite JWH-018 5-hydroxypentyl metabolite JWH-019 5-hydroxypentyl metabolite JWH-1018 5-hydroxypentyl metabolite | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 1,500 ng/mL Positive at 20 ng/mL Positive at 2,500 ng/mL Positive at 2,500 ng/mL Positive at 2,500 ng/mL Positive at 40,000 ng/mL Positive at 40,000 ng/mL Positive at 40,000 ng/mL Positive at 40,000 ng/mL Positive at 50,000 ng/mL Positive at 70,000 ng/mL Positive at 100,000 ng/mL Positive at 100,000 ng/mL Positive at 100,000 ng/mL Positive at 100 n |
| (Pregabalin Cutoff = 500 ng/mL) Gabapentin Propoxyphene (PPX) (Propoxyphene, Cutoff = 300 ng/mL) D-Norpropoxyphene Synthetic Cannabinoid (K2) Synthetic Cannabinoid, Cutoff = 20 ng/mL) JWH-018 5-pentanoic acid metabolite JWH-073 4-butanoic acid metabolite JWH-1018 5-pentanoic acid metabolite JWH-1073 4-butanoic acid metabolite JWH-1073 3-hydroxypentyl JWH-1073 4-hydroxypentyl JWH-1073 4-hydroxypentyl JWH-1073 4-hydroxypentyl JWH-1073 4-hydroxypentyl JWH-1073 4-hydroxypentyl JWH-1073 4-hydroxypentyl JWH-1018 5-hydroxypentyl metabolite JWH-1019 5-hydroxypentyl metabolite JWH-1019 5-hydroxypentyl metabolite JWH-1019 6-hydroxypentyl metabolite | Positive at 500 ng/mL Positive at >20,000 ng/mL Result Positive at 300 ng/mL Positive at 1,500 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL Positive at 20 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 200 ng/mL Positive at 2,500 ng/mL Positive at 4,000 ng/mL Positive at 4,0,000 ng/mL Positive at 40,000 ng/mL Positive at 50,000 ng/mL Positive at 10,000 ng/mL Positive at 10,000 ng/mL Positive at 10,000 ng/mL Positive at 10 ng/mL Positive at 10 ng/mL Positive at 200 ng/mL |

Positive at 10 ng/mL

Positive at 25 ng/mL

AB-Pinaca 5-Pentanoic Acid Metabolite

ADB-Pinaca 5-Pentanoic Acid Metabolite

| UR-144 | Negative at 10,000 ng/mL |
|--|--|
| UR-144 5- Hydroxypentyl Metabolite | Negative at 10,000 ng/mL |
| UR-144 5- Pentanoic Acid Metabolite | Negative at 10,000 ng/mL |
| APinaca 5- Hydroxypentyl Metabolite | Negative at 10,000 ng/mL |
| Synthetic Cannabinoid – UR-144 (K4) | Result |
| (UR-144 5-Pentanoic Acid, Cutoff = 25 ng/mL) | Positive at 25 ng/mL |
| UR-144 5-Hydroxypentyl Metabolite | Positive at 300 ng/mL |
| UR-144 | Negative at 10,000 ng/mL |
| AB-Fubinaca | Negative at 10,000 ng/mL |
| AB-Pinaca | Negative at 10,000 ng/mL |
| AB-Pinaca 4-Hydroxypentyl Metabolite | Negative at 10,000 ng/mL |
| AB-Pinaca 5-Hydroxypentyl Metabolite | Negative at 10,000 ng/mL |
| AB-Pinaca 5-Pentanoic Acid Metabolite | Negative at 10,000 ng/mL |
| APinaca 5- Hydroxypentyl Metabolite | Negative at 10,000 ng/mL |
| ADB-Pinaca 5-Pentanoic Acid Metabolite | Negative at 10,000 ng/mL |
| Tramadol | Result |
| (Tramadol Cutoff = 50 ng/mL) | Positive at 50 ng/mL |
| Tricyclic Antidepressants | Result |
| | |
| (Nortriptyline, Cutoff = 1,000 ng/mL) | Positive at 1,000 ng/mL |
| | Positive at 1,000 ng/mL Positive at 5,000 ng/mL |
| (Nortriptyline, Cutoff = 1,000 ng/mL) | |
| (Nortriptyline, Cutoff = 1,000 ng/mL) Amitriptyline | Positive at 5,000 ng/mL |
| (Nortriptyline, Cutoff = 1,000 ng/mL) Amitriptyline Clomipramine | Positive at 5,000 ng/mL Positive at 15,000 ng/mL |
| (Nortriptyline, Cutoff = 1,000 ng/mL) Amitriptyline Clomipramine Desipramine | Positive at 5,000 ng/mL Positive at 15,000 ng/mL Positive at 1,000 ng/mL |
| (Nortriptyline, Cutoff = 1,000 ng/mL) Amitriptyline Clomipramine Desipramine Doxepin | Positive at 5,000 ng/mL Positive at 15,000 ng/mL Positive at 1,000 ng/mL Positive at 2,000 ng/mL |
| (Nortriptyline, Cutoff = 1,000 ng/mL) Amitriptyline Clomipramine Desipramine Doxepin Imipramine | Positive at 5,000 ng/mL Positive at 15,000 ng/mL Positive at 1,000 ng/mL Positive at 2,000 ng/mL Positive at 600 ng/mL |
| (Nortriptyline, Cutoff = 1,000 ng/mL) Amitriptyline Clornipramine Desipramine Doxepin Imipramine Nordoxepin | Positive at 5,000 ng/mL Positive at 15,000 ng/mL Positive at 1,000 ng/mL Positive at 2,000 ng/mL Positive at 600 ng/mL Positive at 1,000 ng/mL |
| (Nortriptyline, Cutoff = 1,000 ng/mL) Amitriptyline Clomipramine Desipramine Doxepin Imipramine Nordoxepin Promazine Trimipramine | Positive at 5,000 ng/mL Positive at 15,000 ng/mL Positive at 1,000 ng/mL Positive at 2,000 ng/mL Positive at 600 ng/mL Positive at 1,000 ng/mL Positive at 24,000 ng/mL |
| (Nortriptyline, Cutoff = 1,000 ng/mL) Amitriptyline Clomipramine Desipramine Doxepin Imipramine Nordoxepin Promazine | Positive at 5,000 ng/mL Positive at 15,000 ng/mL Positive at 1,000 ng/mL Positive at 2,000 ng/mL Positive at 1,000 ng/mL Positive at 1,000 ng/mL Positive at 24,000 ng/mL |
| (Nortriptyline, Cutoff = 1,000 ng/mL) Amitriptyline Clomipramine Desipramine Doxepin Imipramine Nordoxepin Promazine Trimipramine Cyclobenzaprine Hydrochloride | Positive at 5,000 ng/mL Positive at 15,000 ng/mL Positive at 1,000 ng/mL Positive at 2,000 ng/mL Positive at 2,000 ng/mL Positive at 1,000 ng/mL Positive at 22,000 ng/mL Positive at 4,000 ng/mL |

25% below and 25% above cut-off levels respectively. The **DrugCheck[®] NxStep OnSite Drug Test** was tested using twelve drug-free urine and spiked urine samples. The results demonstrate that varying ranges of urinary specific gravity do not affect the test results.

EFFECT OF URINARY PH

The pH of an aliquot of negative urine pool was adjusted to pH ranges of 4.0-9.0 and spiked with drugs at 25% below and 25% above cut-off levels. The spiked, pH-adjusted urine was tested with the **DrugCheck**[®] **NxStep OnSite Drug Test**. The results demonstrate that varying ranges of pH do not interfere with the performance of the test.

Non Cross-Reacting Compounds – 6-Acetylmorphine, Cotinine, Ethyl Glucuronide, Fentanyl, Synthetic Cannabinoid (K2), Synthetic Cannabinoid – AB-Pinaca (K3), Synthetic Cannabinoid – UR-144 (K4), Ketamine, Tramadol, Non Cross-Reacting Compounds.

| Acebutolol Hydrochloride | EthylMorphine | Pentazocine |
|---------------------------------|---------------------------|----------------------------|
| Acepromazine-d6 hydrochloride | Fenoprofen | Perphenazine |
| Acetaminophen | Furosemide | Penicillin G Sodium salt |
| N-Acetylprocainamide | Gentisic acid | Phenelzine sulfate salt |
| Acetophenetidin | D-Glucuronic acid | Phenobarbital |
| Alprazolam | Glutethimide | Phentermine HCL |
| Alphenal | Guaifenesin | Phenylethylamine |
| Amoxicillin | Hemoglobin porcine | L-phenylephrine |
| Ampicillin | Heroin hydrochloride | Phenylpropanolamine |
| Amitriptyline Hydrochloride | Hippuric Acid | hydrochloride |
| Tablets | Hydralazine hydrochloride | Prednisolone |
| S(+)Amphetamine | Hydromorphone | Prednisone Acetate Tablets |
| R(-)-Amphetamine | Hydrocodone | Procaine HCL |
| Amobarbital | α-Hydroxyhippuric acid | Promazine hydrochloride |
| (±)Amphetamine | 21-Hydroxy progesterone | Promethazine |
| R-(-)-Apomorphine Hydrochloride | p-Hydroxymethamphetamine | Propoxyphene,d- |
| Aprobarbital | Hydrocortisone | Propranolol Hydrochloride |
| Aspirin | Hydrochlorothiazide | Pseudoephedrine |
| Aspartame | -4-Hydroxyamphetamine HCL | Phendimetrazine |
| L-Ascorbic Acid | Ibuprofen | Phenytoin |
| Atropine | Imipramine | Quinine |
| 6-Acetylmorphine | Iprazid | Quinidine |
| Acetylsalicylic acid | Isoxsuprine hydrochloride | Quinacrine |

| Benzphetamine | Isoproterenol Hydrochloride | Ranitidine Hydrochloride Tablets |
|------------------------------|---------------------------------|---|
| Benzilic acid | Injection | Nortriptyline Hydrochloride |
| Benzoylecgonine | Ketamine hydrochloride | Salicylic Acid |
| SS Benzoic Acid | Ketoprofen | Secobarbital |
| Bilirubin, Mixed Isomers | Emetine dihydrochloride hydrate | Serotonin |
| Brompheniramine maleate | Ephedrine-(+/-) hydrochloride | Noroxymorphone HCL |
| Buprenorphine | (-)-Ephedrine HCL | Nylidrin hydrochloride |
| Buspirone hydrochloride | [1R,2S] (-) Ephedrine | Norfentanyl |
| Butalbital | Erythromycin | (±)-Octopamine HCL |
| Butabarbital | Eserine | Oxalic Acid |
| Cannabidiol | Estazolam | Oxolinic Acid |
| Cannabinol | β-Estradiol | Oxycodone |
| Caffeine | (±)-EDDP | Oxymetazoline |
| Cetirizine Hydrochloride | Ethyl-p-aminobenzoate | Papaverine |
| Chlordiazepoxide HCL | JWH-018 pantanoic acid | (±)-Octopamine HCL |
| Chlorothiazide | JWH-073 butanoic acid | Sertraline HCI |
| Chloroquine | Labetalol Hydrochloride | Sulfamethazine, min 99% |
| Chlorpheniramine Maleate | Levorphanol | Sulindac |
| Chlorpromazine Hydrochloride | Loperamide Hydrochloride | Temazepam |
| Tablets | Lorazepam | Terfenadine |
| Chloramphenicol | Maprotiline hydrochloride | Terbutaline |
| ChloralHydrate | (±)-MDEA | Tetraethylthiuram disulfide |
| Cholesterol | (±)-MDA | Tetrahydrocannabinol, Delta-8- |
| Chlorothiazide | Meperidine | ((-)-delta-8-THC) |
| Clomipramine | Meprobamate | Tetracycline |
| Clonazepam | Methamphetamine hydrochloride | Tetrahydrocortisone 3-(β-D- |
| Clonidine hydrochloride | (±)Methadone | glucuronide (-)-delta-9-THC) |
| Clozapine | S(+)D-methamphetamine | (+/-)11-Hydroxy-delta-9-THC |
| (-) Cotinine | L-methamphetamine | (-)-11-nor-9-Carboxy-delta9-THC |
| Cocaethylene | Methylphenidate | Thebaine |
| Cocaine Hydrochloride | (±)-MDMA | Theophylline |
| Codeine | (±)-MDPV | Thioridazine |
| Cortisone | Methyprylon | Thiamine, (Vitamin B1 Tablets) |
| Creatinine | Morphine | HCL |
| Cyclopentobarbital | Morphine-3β-D-glucuronide | DL-Thyroxine |
| Citalopram hydrobromide | Morphine sulfate salt solution | Tolbutamide |
| Dextromethorphan | Nalidixic acid | Tramadol |
| Desipramine | Nalorphine hydrochloride | Triamterene |
| Diazepam | Naproxen | Trimipramine |
| Diclofenac Sodium salt | Naloxone | Tryptamine |
| Dicyclomine | Naltrexone hydrochloride | Trifluoperazine dihydrochloride |
| Digoxin | Nicotinamide (vitamin B3) | DL-Tryptophan |
| 4-Dimethylaminoantipyrine | Nimesulide | Triazolam |
| Dihydrocodeine HCL | Nifedipine | Trans-2-phenylcyclo-propylamine |
| 5,5-Diphenylhydantoin | Norcodeine | hydrochhloride |
| Diphenhydramine | Nordoxepin hydrochloride | D/L-Tyrosine |
| Dopamine | Norfloxacin Capsule | Tyramine |
| Doxylamine | Norethisterone Tablets | Uric Acid |
| Ecgonine methylester | d-Norpropoxyphene maleate salt | Verapamil Hydrochloride |
| Ecgonine HCL | Noscapine | Verapanin Hydrochlonde Valproic acid |
| Efavirenz | PCP | Zomepirac |
| Ethylone | Pentobarbital | |

Non Cross-Reacting Compounds – Amphetamine 300, Benzodiazepine 200, Buprenorphine 5, 2-Ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine 100, Methamphetamine 300, and Propoxyphene.

| Acetaminophen | β-Estradiol | Oxalic acid |
|----------------------|------------------------|-----------------|
| Acetophenetidin | Erythromycin | Oxolinic acid |
| N-Acetylprocainamide | Ethanol (1%) | Oxymetazoline |
| Acetylsalicylic acid | Fenoprofen | Papaverine |
| Albumin (100mg/dL) | Furosemide | Penicillin G |
| Aminopyrine | Gentisic acid | Perphenzine |
| Amoxicillin | Hemoglobin | Phenelzine |
| Ampicillin | Hydralazine | Prednisone |
| Apomorphine | Hydrochlorothiazide | (±)-Propranolol |
| Ascorbic acid | Hydrocortisone | Pseudoephedrine |
| Aspartame | O-Hydroxyhippuric acid | Quinine |
| Atropine | 3-Hyrdoxytyramine | Ranitidine |
| Benzilic acid | Ibuprofen | Salicylic acid |

| Benzoic acid | Isoproterenol | Serotonin (5-Hydroxytyramine) |
|--|--|--|
| Bilirubin | Isoxsuprine | Sulfamethazine |
| Chloral hydrate | Ketamine | Sulindac |
| Chloramphenicol | Ketoprofen | Tetrahydrocortisone 3-(β- |
| Chlorothiazide | Labetalol | Dglucuronide) |
| Chlorpromazine | Loperamide | Tetrahydrocortisone 3-acetate |
| Cholesterol | Meperidine | Tetrahydrozoline |
| Clonidine | Meprobamate | Thiamine |
| Cortisone | Methoxyphenamine | Thioridazine |
| (-)-Cotinine | Nalidixic acid | Triamterene |
| Creatinine | Naloxone | Trifluoperazine |
| Deoxycorticosterone | Naltrexone | Trimethoprim |
| Dextromethorphan | Naproxen | DL-Tryptophan |
| Diclofenac | Niacinamide | Tyramine |
| Diflunisal | Nifedipine | DL-Tyrosine |
| Digoxin | Norethindrone | Uric acid |
| Diphenhydramine | Noscapine | Verapamil |
| Ecgonine methyl ester | (±)-Octopamine | Zomepirac |
| | 1. Annul. (| |
| Non Cross-Reacting Compour | | |
| 4-Acetamidophenol | L-Ephedrine | Oxycodone |
| Acetophenetidin | (-)-Ψ-Ephedrine | Oxymetazoline |
| N-Acetylprocainamide | Erythromycin | Papaverine |
| Acetylsalicylic Acid | β-Estradiol | Penicillin-G |
| Aminopyrine | Estrone-3-Sulfate | Pentazocine |
| Amitriptyline | Ethyl-p-Aminobenzoate | Pentobarbital |
| Amobarbital | Fenfluramine | Perphenazine |
| Amoxicillin | Fenoprofen | Phencyclidine |
| Ampicillin | Furosemide | Phenelzine |
| Ascorbic Acid | Gentisic Acid | Phenobarbital |
| Aspartame | Hemoglobin | Phenytoin |
| Atropine | Hydralazine | L-Phenylephrine |
| Benzilic Acid | Hydrochlorothiazide | Phenylpropanolamine |
| Benzoic Acid | Hydrocodone | Prednisolone |
| Benzoylecgonine | Hydrocortisone | Prednisone |
| Bilirubin | o-Hydroxyhippuric Acid | Procaine |
| Brompheniramine | 3-Hydroxytyramine | Promazine |
| Caffeine | Ibuprofen | Promethazine |
| Cannabidiol | Imipramine | DL-Propranolol |
| Cannabinol | (-)-Isoproterenol | D-Propoxyphene |
| Chloral Hydrate | Isoxsuprine | Quinidine |
| Chloramphenicol | Ketamine | Quinine |
| Chlordiazepoxide | Ketoprofen | Ranitidine |
| Chlorothiazide | Labetalol | Salicylic Acid |
| (±)-Chlorpheniramine | Levorphanol | Secobarbital |
| Chlorpromazine | Loperamide | Sulfamethazine |
| Chloroquine | Maprotiline | Sulindac |
| Cholesterol | Meperidine | Temazepam |
| Clomipramine | Meprobamate | Tetracycline |
| | Methadone | Tetrahydrocortisone |
| Clonidine | | |
| Clonidine Cocaine Hydrochloride | Methylphenidate | Tetrahydrozoline |
| | | |
| Cocaine Hydrochloride | Methylphenidate | Tetrahydrozoline |
| Cocaine Hydrochloride Codeine | Methylphenidate Morphine 3-β-D-Glucuronide Nalidixic Acid | Tetrahydrozoline Δ ⁹ -THC-COOH Thebaine |
| Cocaine Hydrochloride Codeine Cortisone (-)-Cotinine | Methylphenidate Morphine 3-β-D-Glucuronide Nalidixic Acid Naloxone | Tetrahydrozoline Δ ⁹ -THC-COOH Thebaine Thiamine |
| Cocaine Hydrochloride Codeine Cortisone (-)-Cotinine Creatinine | Methylphenidate Morphine 3-β-D-Glucuronide Nalidixic Acid | Tetrahydrozoline Δ ⁹ .THC-COOH Thebaine Thiamine Thioridazine |
| Cocaine Hydrochloride Codeine Cortisone (-)-Cotinine Creatinine Deoxycorticosterone | Methylphenidate Morphine 3-β-D-Glucuronide Nalidixic Acid Naloxone Naltrexone | Tetrahydrozoline Δ ^s -THC-COOH Thebaine Thiamine Thioridazine DL-Thyroxine |
| Cocaine Hydrochloride Codisone (-)-Cotinine Creatinine Deoxycorticosterone Dextromethorphan | Methylphenidate Morphine 3-β-D-Glucuronide Nalidixic Acid Naloxone Naltrexone Naproxen Niacinamide | Tetrahydrozoline Δ ³ -THC-COOH Thebaine Thiamine Thioridazine DL-Thyroxine Tolbutamide |
| Cocaine Hydrochloride Codisone (-)-Cotinine Creatinine Deoxycorticosterone Dextromethorphan Diazepam | Methylphenidate Morphine 3-β-D-Glucuronide Nalidixic Acid Naltrexone Natrexone Naproxen Niacinamide Nifedipine | Tetrahydrozoline Δ ³ -THC-COOH Thebaine Thiamine Thioridazine DL-Thyroxine Tolbutamide Triamterene |
| Cocaine Hydrochloride Codisone (-)-Cotinine Creatinine Deoxycorticosterone Dextromethorphan Diazepam Diclofenac | Methylphenidate Morphine 3-β-D-Glucuronide Nalidixic Acid Naloxone Naltrexone Naproxen Niacinamide Nifedipine Norcodeine | Tetrahydrozoline Δ ³ -THC-COOH Thebaine Thiamine Thioridazine DL-Thyroxine Tolbutamide Triamterene Trifluoperazine |
| Cocaine Hydrochloride Codeine Cortisone (-)-Cotinine Creatinine Deoxycorticosterone Dextromethorphan Diazepam Diclofenac Diflunisal | Methylphenidate Morphine 3-β-D-Glucuronide Nalidixic Acid Naloxone Naltrexone Naproxen Nitacinamide Nitedipine Norcodeine Norethindrone | Tetrahydrozoline Δ ⁰ -THC-COOH Thebaine Thiamine Thioridazine DL-Thyroxine Tolbutamide Triamterene Trifluoperazine Trimethoprim |
| Cocaine Hydrochloride Codiene Cortisone (-)-Cotinine Creatinine Deoxycorticosterone Dextromethorphan Diazepam Diclofenac Diflunisal Digoxin | Methylphenidate Morphine 3-β-D-Glucuronide Nalidxic Acid Naloxone Natrexone Naproxen Niacinamide Nifedipine Norcodeine Norcodeine D-Norpropoxyphene | Tetrahydrozoline Δ ^o .THC-COOH Thebaine Thiamine Thioridazine DL-Thyroxine Tolbutamide Trimterene Triffuoperazine Trimethopim Trimpramine |
| Cocaine Hydrochloride Codisone (-)-Cotinine Creatinine Deoxycorticosterone Dextromethorphan Diazepam Diclofenac Diflunisal Diflunisal Digoxin Diphenhydramine | Methylphenidate Morphine 3-β-D-Glucuronide Nalidxic Acid Naloxone Natrexone Naproxen Niacinamide Nifedipine Norcodeine Norcodeine D-Norpropoxyphene Noscapine | Tetrahydrozoline Δ ⁸ -THC-COOH Thebaine Thiamine Thioridazine DL-Thyroxine Tolbutamide Triamterene Trifluoperazine Trimethoprim Trimpramine Tryptamine |
| Cocaine Hydrochloride Codisone (-)-Cotinine Creatinine Deoxycorticosterone Dextromethorphan Diazepam Diclofenac Diffunisal Digoxin Diphenhydramine Doxylamine | Methylphenidate Morphine 3-β-D-Glucuronide Nalidixic Acid Naloxone Naltrexone Naltrexone Natrexone Niacinamide Nifedipine Norcodeine Norethindrone D-Norpropoxyphene Noscapine DL-Octopamine | Tetrahydrozoline Δ ⁰ -THC-COOH Thebaine Thiamine Thioridazine DL-Thyroxine Tolbutamide Triamterene Trifluoperazine Trimethoprim Trimethoprim Trimpramine Tryptamine DL-Tyrosine |
| Cocaine Hydrochloride Codisone (-)-Cotinine Creatinine Deoxycorticosterone Dextromethorphan Diazepam Diclofenac Diflunisal Diflunisal Digoxin Diphenhydramine | Methylphenidate Morphine 3-β-D-Glucuronide Nalidxic Acid Naloxone Natrexone Naproxen Niacinamide Nifedipine Norcodeine Norcodeine D-Norpropoxyphene Noscapine | Tetrahydrozoline Δ ⁸ -THC-COOH Thebaine Thiamine Thioridazine DL-Thyroxine Tolbutamide Triamterene Trifluoperazine Trimethoprim Trimpramine Tryptamine |

| Acetaminophen (4- | EMDP | D,L-Octopamine |
|-----------------------|----------------------------|-------------------------------|
| Acetamidophenol) | Erythromycin | Oxalic Acid |
| Acetophenetidin | β-Estradiol | Oxazepam |
| N-Acetylprocainamide | Fenoprofen | Oxolinic Acid |
| Acetylsalicylic Acid | Furosemide | Oxymetazoline |
| Albumin | Gentisic Acid | Papaverine |
| Aminopyrine | Hemoglobin | Penicillin-G |
| D-Amphetamine | Hydralazine | Pentobarbital |
| Amoxicillin | Hydrochlorothiazide | Perphenazine |
| Ampicillin | Hydrocodone | Phenelzine |
| Apomorphine | Hydrocortisone | Phencyclidine |
| L-Ascorbic Acid | o-Hydroxyhippuric Acid | Prednisone |
| Aspartame | 3-Hydroxytyramine | Procaine |
| Atropine | Ibuprofen | DL-Propranolol |
| Benzilic Acid | D,L-Isoproterenol | D-Propoxyphene |
| Benzoic Acid | Isoxsuprine | D-Pseudoephedrine |
| Benzoylecgonine | Ketamine | Quinine |
| Bilirubin | Ketoprofen | Ranitidine |
| Cannabidiol | Labetalol | Salicylic Acid |
| Chloral Hydrate | Loperamide | Secobarbital |
| Chloramphenicol | Maprotiline | Serotonin (5-Hydroxytyramine) |
| Chlorothiazide | Meperidine | Sulfamethazine |
| Chlorpromazine | Meprobamate | Sulindac |
| Chloroquine | Methadone | Tetrahydrocortisone 3-(β-D- |
| Cholesterol | Methamphetamine | Glucuronide) |
| Clonidine | Methoxyphenamine | Tetrahydrozoline |
| Codeine | Morphine-3-β-D-Glucuronide | Thiamine |
| Cortisone | Nalidixic acid | Thioridazine |
| (-)-Cotinine | Naloxone | Triamterene |
| Creatinine | Naltrexone | DL-Tyrosine |
| Deoxycorticosterone | Naproxen | Trifluoperazine |
| Dextromethorphan | Niacinamide | Trimethoprim |
| Diclofenac | Nifedipine | DL-Tryptophan |
| Diflunisal | Norcodeine | Tyramine |
| Digoxin | Norethindrone | Uric Acid |
| Diphenhydramine | D-Norpropoxyphene | Verapamil |
| Ecgonine Methyl Ester | Noscapine | Zomepirac |

Non Cross-Reacting Compounds - Barbiturates

Non Cross-Reacting Compounds – Amphetamine 500

| Acetaminophen | (IR,2S)-(-)-Ephedrine | Noscapine |
|----------------------|--------------------------|------------------------|
| Acetophenetidin | Erythromycin | 11-nor-Δ9-THC-9-COOH |
| Acetylsalicylic Acid | β-Estradiol | Nortriptyline |
| Aminopyrine | Estrone-3-Sulfate | o-Hydroxyhippuric Acid |
| Amitriptyline | Ethyl-p-Aminobenzoate | DL-Octopamine |
| Amoxicillin | Fenoprofen | Oxalic Acid |
| Amphetamine | Furosemide | Oxazepam |
| Ampicillin | Gentisic Acid | Oxolinic Acid |
| Apomorphine | Hemoglobin | Oxycodone |
| Ascorbic Acid | Hydralazine | Oxymetazoline |
| Aspartame | Hydrochlorothiazide | Papaverine |
| Atropine | Hydrocodone | Penicillin-G |
| Benzilic Acid | Hydrocortisone | Pentazocine |
| Benzoic Acid | p-Hydroxyamphetamine | Perphenazine |
| Benzoylecgonine | p-Hydroxymethamphetamine | Phencyclidine |
| Bilirubin | 3-Hydroxytyramine | Phenelzine |
| Brompheniramine | Ibuprofen | β-Phenethylamine |
| Buprenorphine | Imipramine | Phenylpropanolamine |
| Caffeine | (-)-Isoproterenol | Prednisolone |
| Cannabidiol | Isoxsuprine | Prednisone |
| Cannabinol | Ketamine | Procaine |
| Chloral Hydrate | Ketoprofen | Promazine |
| Chloramphenicol | Labetalol | Promethazine |
| Chlorothiazide | Levorphanol | DL-Propranolol |
| (±)-Chlorpheniramine | Loperamide | D-Propoxyphene |
| Chlorpromazine | L-Phenylephrine | Quinidine |
| Chloroquine | Maprotiline | Quinine |
| Cholesterol | Meperidine | Ranitidine |

| Clomipramine | Meprobamate | Salicylic Acid |
|--------------------------------|-------------------------------|------------------|
| Clonidine | Morphine | Serotonin |
| Cocaine Hydrochloride | Morphine-3-β-D-Glucuronide | Sulfamethazine |
| Codeine | Methadone | Sulindac |
| Cortisone | Methamphetamine | Temazepam |
| (-)-Cotinine | (±)-3,4-Methylenedioxy- | Tetracycline |
| Creatinine | amphetamine Hydrochloride | Tetrahydrozoline |
| Deoxycorticosterone | Methylenedioxymethamphetamine | Thebaine |
| Dextromethorphan | Morphine Sulfate | Thiamine |
| Diazepam | N-Acetylprocainamide | Thioridazine |
| Diclofenac | Nalidixic Acid | Triamterene |
| Diflunisal | Naloxone | Trifluoperazine |
| Digoxin | Naltrexone | Trimethoprim |
| Diphenhydramine | Naproxen | Trimipramine |
| Doxylamine | Niacinamide | Tryptamine |
| Ecgonine Hydrochloride | Nifedipine | DL-Tyrosine |
| Ecgonine Methyl Ester | Norcodeine | Uric Acid |
| 2-Ethylidene-1,5-Dimethyl-3,3- | Norethindrone | Verapamil |
| Diphenylpyrrolidine | D-Norpropoxyphene | Zomepirac |

Non Cross-Reacting Compounds – Benzodiazepine 300

| 4-Acetamidophenol | Ecgonine Hydrochloride | Oxalic Acid |
|-----------------------|-------------------------------|-------------------------------|
| Acetophenetidin | Ecgonine Methyl Ester | Oxolinic Acid |
| N-Acetylprocainamide | (-)-Ψ-Ephedrine | Pentobarbital |
| Acetylsalicylic Acid | Fenoprofen | Perphenazine |
| Aminopyrine | Furosemide | Phencyclidine |
| Amitriptyline | Gentisic Acid | Phenelzine |
| Amobarbital | Hemoglobin | Phenobarbital |
| Amoxicillin | Hydrocortisone | Phentermine |
| Ampicillin | o-Hydroxyhippuric Acid | L-Phenylephrine |
| L-Ascorbic Acid | p-Hydroxymethamphetamine | β-Phenylethylamine |
| DL-Amphetamine | 3-Hydroxytyramine | Phenylpropanolamine |
| Apomorphine | Ibuprofen | Prednisone |
| Aspartame | Imipramine | DL-Propranolol |
| Atropine | Iproniazid | D-Pseudoephedrine |
| Benzilic Acid | (±)-Isoproterenol | Quinine |
| Benzoic Acid | Isoxsuprine | Ranitidine |
| Benzoylecgonine | Ketamine | Salicylic Acid |
| Benzphetamine | Ketoprofen | Secobarbital |
| Bilirubin | Labetalol | Serotonin (5-Hydroxytyramine) |
| (±)-Chlorpheniramine | Loperamide | Sertraline |
| Caffeine | Maprotiline | Sulfamethazine |
| Cannabidiol | Meperidine | Sulindac |
| Chloral Hydrate | Meprobamate | Tetrahydrocortisone 3-(β-D- |
| Chloramphenicol | Methadone | Glucuronide) |
| Chlorothiazide | Methoxyphenamine | Tetrahydrozoline |
| Chlorpromazine | (+)-3.4- | Thiamine |
| Chloroquine | Methylenedioxyamphetamine | Thioridazine |
| Cholesterol | (+)-3.4- | DL-Tyrosine |
| Clomipramine | Methylenedioxymethamphetamine | Tolbutamide |
| Clonidine | Nalidixic Acid | Triamterene |
| Cocaine Hydrochloride | Nalorphine | Trifluoperazine |
| Cortisone | Naloxone | Trimethoprim |
| (-)-Cotinine | Naltrexone | Tryptamine |
| Creatinine | Naproxen | DL-Tryptophan |
| Dextromethorphan | Niacinamide | Tyramine |
| Diclofenac | Nifedipine | Uric Acid |
| Diflunisal | Norethindrone | Verapamil |
| Dioxin | D-Norpropoxyphene | Zomepirac |
| Diphenhydramine | Noscapine | |
| Doxylamine | DL-Octopamine | |

Non Cross-Reacting Compounds – Buprenorphine 10

| iten erece iteaeting eempeana | e Babierbinne ie | |
|--------------------------------|-----------------------------------|-------------------------------|
| 4-Acetamidophenol | Erythromycin | Oxazepam |
| Acetophenetidin | β-Estradiol | Oxolinic Acid |
| N-Acetylprocainamide | Estrone-3-Sulfate | Oxycodone |
| Acetylsalicylic Acid | Ethyl-p-Aminobenzoate | Oxymetazoline |
| Aminopyrine | Fenoprofen | Papaverine |
| Amobarbital | Furosemide | Penicillin-G |
| Amoxicillin | Gentisic Acid | Pentazocine Hydrochloride |
| Ampicillin | Hemoglobin | Pentobarbital |
| L-Ascorbic Acid | Hydralazine | Perphenazine |
| Amphetamine | Hydrochlorothiazide | Phencyclidine |
| Apomorphine | Hydrocodone | Phenelzine |
| Aspartame | Hydrocortisone | Phenobarbital |
| Atropine | o-Hydroxyhippuric Acid | Phentermine |
| Benzilic Acid | p-Hydroxyamphetamine | β-Phenylethylamine |
| Benzoic Acid | p-Hydroxymethamphetamine | Trans-2-Phenylcyclopropylamin |
| Benzoylecgonine | 3-Hydroxytyramine | Hydrochloride |
| Benzphetamine | Ibuprofen | L-Phenylephrine |
| Bilirubin | lprazid | Phenylpropanolamine |
| (±)-Brompheniramine | (±)-Isoproterenol | Prednisolone |
| Butalbital | Isoxsuprine | Prednisone |
| Caffeine | Ketamine | Procaine |
| Cannabidiol | Ketoprofen | DL-Propranolol |
| Cannabinol | Labetalol | D-Propoxyphene |
| Chloral Hydrate | Loperamide | D-Pseudoephedrine |
| Chloramphenicol | 3,4-Methylenedioxy-N- | Quinacrine |
| Chlorothiazide | Ethylamphetamine | Quinidine |
| (±)-Chlorpheniramine | Meperidine | Quinine |
| Chlorpromazine | Meprobamate | Ranitidine |
| Chloroquine | Methadone | Salicylic Acid |
| Cholesterol | L-Methamphetamine | Secobarbital |
| Clonidine | Methoxyphenamine | Serotonin |
| Cocaethylene | (±)-3,4-Methylenedioxy- | Sulfamethazine |
| Cocaine Hydrochloride | amphetamine Hydrochloride | Sulindac |
| Codeine | Methylenedioxymethamphetamine | Tetracycline |
| Cortisone | Morphine | Tetrahydrocortisone 3-(β-D- |
| (-)-Cotinine | Morphine-3-β-D-Glucuronide | Glucuronide) |
| Creatinine | Morphine Sulfate | Tetrahydrozoline |
| Deoxycorticosterone | Nalidixic Acid | Thiamine |
| Dextromethorphan | Naloxone | Thioridazine |
| Diclofenac | Naltrexone | DL-Tyrosine |
| Diflunisal | Naproxen | Tolbutamide |
| Digoxin | Niacinamide | Triamterene |
| Diphenhydramine | Nifedipine | Trifluoperazine |
| Doxylamine | Norcodeine | Trimethoprim |
| Ecgonine Hydrochloride | Norethindrone | Tryptamine |
| Ecgonine Methyl Ester | D-Norpropoxyphene | DL-Tryptophan |
| Ephedrine | 11-nor-Δ ⁹ -THC-9-COOH | Tyramine |
| L-Epinephrine | Nortriptyline | Uric Acid |
| 2-Ethylidene-1,5-Dimethyl-3,3- | Noscapine | Verapamil |
| Diphenylpyrrolidine | Oxalic Acid | Zomepirac |

Non Cross-Reacting Compounds – Clonazepam

| Chlorpheniramine | Oxalic Acid |
|-------------------------|--|
| Creatine | Penicillin-G |
| Dextromethorphan | Pheniramine |
| Dextrorphan tartrate | Phenothiazine |
| Dopamine | Procaine |
| Erythromycin | Protonix |
| Ethanol | Pseudoephedrine |
| Furosemide | Quinidine |
| Glucose | Ranitidine |
| Guaiacol Glyceryl Ether | Sertraline |
| Hemoglobin | Tyramine |
| Ibuprofen | Vitamin C (Ascorbic Acid) |
| Imipramine | Trimeprazine |
| Isoproterenol | Venlafaxine |
| Lidocaine | |
| Methadone | |
| | Creatine Dextromethorphan Dextrophan tartrate Doparnine Erythromycin Ethanol Furosemide Glucose Guaiacol Glyceryl Ether Hemoglobin Ibuprofen Imipramine Isoproterenol Lidocaine |

Non Cross-Reacting Compounds - Cocaine 300

| Acetaminophen | Ethyl-p-Aminobenzoate | Oxymetazoline |
|------------------------|-----------------------------|-----------------------------|
| Acetophenetidin | Fenoprofen | Papaverine |
| N-Acetylprocainamide | Furosemide | Penicillin-G |
| Acetylsalicylic Acid | Gentisic Acid | Pentobarbital |
| Aminopyrine | Hemoglobin | Perphenazine |
| Amitriptyline | Hydralazine | Phencyclidine |
| Amobarbital | Hydrochlorothiazide | Phenelzine |
| Amoxicillin | Hydrocodone | Phenobarbital |
| Ampicillin | Hydrocortisone | Phentermine |
| L-Ascorbic Acid | o-Hydroxyhippuric Acid | L-Phenylephrine |
| DL-Amphetamine Sulfate | p-Hydroxymethamphetamine | β-Phenylethylamine |
| Apomorphine | 3-Hydroxytyramine | Phenylpropanolamine |
| Aspartame | Ibuprofen | Prednisolone |
| Atropine | Imipramine | Prednisone |
| Benzilic Acid | Iproniazid | Procaine |
| Benzoic Acid | (±)-Isoproterenol | Promazine |
| Benzphetamine | Isoxsuprine | Promethazine |
| (±)-Brompheniramine | Ketamine | DL-Propranolol |
| Caffeine | Ketoprofen | D-Propoxyphene |
| Cannabidiol | Labetalol | D-Pseudoephedrine |
| Cannabinol | Levorphanol | Quinidine |
| Chloral Hydrate | Loperamide | Quinine |
| Chloramphenicol | Maprotiline | Ranitidine |
| Chlordiazepoxide | Meperidine | Salicylic Acid |
| Chlorothiazide | Meprobamate | Secobarbital |
| (±)-Chlorpheniramine | Methadone | Serotonin |
| Chlorpromazine | Methoxyphenamine | Sulfamethazine |
| Chloroquine | (±)-3,4- | Sulindac |
| Cholesterol | Methylenedioxyamphetamine | Temazepam |
| Clomipramine | (±)-3,4-Methylenedioxymeth- | Tetracycline |
| Clonidine | amphetamine Hydrochloride | Tetrahydrocortisone 3-(β-D- |
| Codeine | Morphine-3-β-D-Glucuronide | Glucuronide) |
| Cortisone | Morphine Sulfate | Tetrahydrozoline |
| (-)-Cotinine | Nalidixic Acid | Thebaine |
| Creatinine | Naloxone | Thiamine |
| Deoxycorticosterone | Naltrexone | Thioridazine |
| Dextromethorphan | Naproxen | DL-Tyrosine |
| Diazepam | Niacinamide | Tolbutamide |
| Diclofenac | Nifedipine | Triamterene |
| Diflunisal | Norcodeine | Trifluoperazine |
| Digoxin | Norethindrone | Trimethoprim |
| Diphenhydramine | D-Norpropoxyphene | Trimipramine |
| Doxylamine | Noscapine | Tryptamine |
| Ecgonine Methyl Ester | DL-Octopamine | DL-Tryptophan |
| (-)-Ψ-Ephedrine | Oxalic Acid | Tyramine |
| Erythromycin | Oxazepam | Uric Acid |
| β-Estradiol | Oxolinic Acid | Verapamil |
| Estrone-3-Sulfate | Oxycodone | Zomepirac |

Non Cross-Reacting Compounds – Cocaine 150

| Acetaminophen (4- Acetamidophenol) | Erythromycin | Oxalic Acid |
|---------------------------------------|------------------------|-------------------|
| | β-Estradiol | Oxazepam |
| Acetophenetidin | Fenoprofen | Oxolinic Acid |
| N-Acetylprocainamide | Furosemide | Oxymetazoline |
| Acetylsalicylic Acid | Gentisic Acid | Papaverine |
| Albumin | Hemoglobin | Penicillin-G |
| Aminopyrine | Hydralazine | Pentobarbital |
| D-Amphetamine | Hydrochlorothiazide | Perphenazine |
| Amoxicillin | Hydrocodone | Phenelzine |
| Ampicillin | Hydrocortisone | Phencyclidine |
| Apomorphine | o-Hydroxyhippuric Acid | Prednisone |
| L-Ascorbic Acid | 3-Hydroxytyramine | Procaine |
| Aspartame | Ibuprofen | DL-Propranolol |
| Atropine | D,L-Isoproterenol | D-Propoxyphene |
| Benzilic Acid | Isoxsuprine | D-Pseudoephedrine |
| Benzoic Acid | Ketamine | Quinine |
| Bilirubin | Ketoprofen | Ranitidine |
| Cannabidiol | Labetalol | Salicylic Acid |

| Chloral Hydrate | Loperamide | Secobarbital |
|-----------------------|----------------------------|-------------------------------|
| Chloramphenicol | Maprotiline | Serotonin (5-Hydroxytyramine) |
| Chlorothiazide | Meperidine | Sulfamethazine |
| Chlorpromazine | Meprobamate | Sulindac |
| Chloroquine | Methadone | Tetrahydrocortisone 3-(β-D- |
| Cholesterol | Methamphetamine | Glucuronide) |
| Clonidine | Methoxyphenamine | Tetrahydrozoline |
| Codeine | Morphine-3-β-D-Glucuronide | Thiamine |
| Cortisone | Nalidixic acid | Thioridazine |
| (-)-Cotinine | Naloxone | Triamterene |
| Creatinine | Naltrexone | DL-Tyrosine |
| Deoxycorticosterone | Naproxen | Trifluoperazine |
| Dextromethorphan | Niacinamide | Trimethoprim |
| Diclofenac | Nifedipine | DL-Tryptophan |
| Diflunisal | Norcodeine | Tyramine |
| Digoxin | Norethindrone | Uric Acid |
| Diphenhydramine | D-Norpropoxyphene | Verapamil |
| EMDP | Noscapine | Zomepirac |
| Ecgonine Methyl Ester | DL-Octopamine | |

Non Cross-Reacting Compounds - 2-Ethylidene-1,5-Dimethyl-3,3-Diphenylpyrrolidine 300

| Acetaminophen | Ecgonine Methyl Ester | o-Hydroxyhippuric Acid |
|------------------------|-------------------------------|-----------------------------|
| Acetophenetidin | (IR,2S)-(-)-Ephedrine | Oxalic Acid |
| Acetylsalicylic Acid | Erythromycin | Oxazepam |
| Amobarbital | β-Estradiol | Oxolinic Acid |
| Aminopyrine | Estrone-3-Sulfate | Oxycodone |
| Amitriptyline | Ethyl p-Aminobenzoate | Oxymetazoline |
| Amoxicillin | Fenoprofen | Papaverine |
| DL-Amphetamine Sulfate | Furosemide | Penicillin-G |
| Ampicillin | Gentisic Acid | Pentazocine |
| Apomorphine | Hemoglobin | Pentobarbital |
| Ascorbic Acid | Hydralazine | Perphenazine |
| Aspartame | Hydrochlorothiazide | Phencyclidine |
| Atropine | Hydrocodone | Phenelzine |
| Benzilic Acid | Hydrocortisone | Phenobarbital |
| Benzoic Acid | p-Hydroxyamphetamine | Phentermine |
| Benzoylecgonine | p-Hydroxymethamphetamine | β-Phenylethylamine |
| Bilirubin | 3-Hydroxytyramine | Phenylpropanolamine |
| Brompheniramine | Ibuprofen | Prednisolone |
| Caffeine | Imipramine | Prednisone |
| Cannabidiol | (-)-Isoproterenol | Procaine |
| Cannabinol | Isoxsuprine | Promazine |
| Chloral Hydrate | Ketamine | Promethazine |
| Chloramphenicol | Ketoprofen | Quinidine |
| Chlorothiazide | Labetalol | Quinine |
| (±)-Chlorpheniramine | Levorphanol | Ranitidine |
| Chlorpromazine | Loperamide | Salicylic Acid |
| Chloroquine | L-Phenylephrine | Secobarbital |
| Cholesterol | Maprotiline | Serotonin |
| Clomipramine | Meperidine | Sulfamethazine |
| Clonidine | Meprobamate | Sulindac |
| Cocaine Hydrochloride | Methamphetamine | Temazepam |
| Codeine | Methoxyphenamine | Tetracycline |
| (-)-Cotinine | (±)-3,4-Methylenedioxy- | Tetrahydrocortisone 3-(β-D- |
| Cortisone | amphetamine Hydrochloride | Glucuronide) |
| Creatinine | (±)-3,4-Methylenedioxy- | Tetrahydrozoline |
| Deoxycorticosterone | methamphetamine Hydrochloride | Thebaine |
| Dextromethorphan | Morphine Sulfate | Thiamine |
| Diazepam | Morphine-3-β-D-Glucuronide | Thioridazine |
| Diclofenac | N-Acetylprocainamide | Triamterene |
| Diflunisal | Nalidixic Acid | Trifluoperazine |
| Digoxin | Naloxone | Trimethoprim |
| Diphenhydramine | Naltrexone | Trimipramine |
| D-Norpropoxyphene | Naproxen | Tryptamine |
| D-Propoxyphene | Niacinamide | DL-Tryptophan |
| DL-Tyrosine | Nifedipine | Tyramine |
| DL-Octopamine | Norcodeine | Uric Acid |
| DL-Propranolol | Norethindrone | Verapamil |
| Ecgonine Hydrochloride | Noscapine | Zomepirac |

Non Cross-Reacting Compounds – Marijuana 50

| Non Cross-Reacting Compou | - | |
|---------------------------------|--|---|
| 4-Acetamidophenol | Estrone-3-Sulfate | Papaverine |
| Acetophenetidin | Ethyl-p-Aminobenzoate | Penicillin-G |
| N-Acetylprocainamide | Fenoprofen | Pentazocine |
| Acetylsalicylic Acid | Furosemide | Pentobarbital |
| Aminopyrine | Gentisic Acid | Perphenazine |
| Amitriptyline | Hemoglobin | Phencyclidine |
| Amobarbital | Hydralazine | Phenelzine |
| Amoxicillin | Hydrochlorothiazide | Phenobarbital |
| Ampicillin | Hydrocodone | Phentermine |
| Ascorbic Acid | Hydrocortisone | L-Phenylephrine |
| DL-Amphetamine | o-Hydroxyhippuric Acid | β-Phenethylamine |
| L-Amphetamine | 3-Hydroxytyramine | β-Phenylethylamine |
| Apomorphine | Ibuprofen | Phenylpropanolamine |
| Aspartame | Imipramine | Prednisolone |
| Atropine | Iproniazid | Prednisone |
| Benzilic Acid | (-)-Isoproterenol | Procaine |
| Benzoic Acid | Isoxsuprine | Promazine |
| Benzoylecgonine | Ketamine | Promethazine |
| Benzphetamine | Labetalol | DL-Propranolol |
| Bilirubin | Levorphanol | D-Propoxyphene |
| Brompheniramine | Loperamide | D-Pseudoephedrine |
| Caffeine | Maprotiline | Quinidine |
| Chloral Hydrate | Meprobamate | Quinine |
| Chloramphenicol | Methadone | Ranitidine |
| Chlordiazepoxide | Methoxyphenamine | Salicylic Acid |
| Chlorothiazide | | Secobarbital |
| (±)-Chlorpheniramine | (+)-3,4- Methylenedioxyamphetamine | Serotonin (5-Hydroxytyramine) |
| Chlorpromazine | | Sulfamethazine |
| Chloroquine | (+)-3,4-Methylenedioxy- methamphetamine | Sulindac |
| Cholesterol | | |
| | Methylphenidate | Temazepam |
| Clomipramine | Methyprylon | Tetracycline |
| Clonidine | Morphine 3-β-D-Glucuronide | Tetrahydrocortisone 3-(β-D- Glucuronide) |
| Cocaine Hydrochloride | Nalorphine | , |
| Codeine | Naloxone | Tetrahydrozoline |
| Cortisone | Nalidixic Acid | Thebaine |
| (-)-Cotinine | Naltrexone | Thiamine |
| Creatinine | Naproxen | Thioridazine |
| Deoxycorticosterone | Niacinamide | DL-Thyroxine |
| Dextromethorphan | Nifedipine | Tolbutamide |
| Diazepam | Norcodeine | Triamterene |
| Diclofenac | Norethindrone | Trifluoperazine |
| Diflunisal | D-Norpropoxyphene | Trimethoprim |
| Digoxin | Noscapine | Trimipramine |
| Diphenhydramine | DL-Octopamine | Tryptamine |
| Doxylamine | Oxalic Acid | DL-Tryptophan |
| Ecgonine Hydrochloride | Oxazepam | Tyramine |
| Ecgonine Methyl Ester | Oxolinic Acid | DL-Tyrosine |
| | Oxycodone | Uric Acid |
| (-)-Ψ-Ephedrine | | |
| (-)-Ψ-Ephedrine Erythromycin | Oxymetazoline | Verapamil |

| Acetaminophen (4- | 2-Ethyl-5-Methyl-3,3- | Oxalic Acid |
|----------------------|------------------------|-------------------|
| Acetamidophenol) | Diphenylpyrroline | Oxazepam |
| Acetophenetidin | β-Estradiol | Oxolinic Acid |
| N-Acetylprocainamide | Fenoprofen | Oxymetazoline |
| Acetylsalicylic Acid | Furosemide | Papaverine |
| Albumin | Gentisic Acid | Penicillin-G |
| Aminopyrine | Hemoglobin | Pentobarbital |
| D-Amphetamine | Hydralazine | Perphenazine |
| Amoxicillin | Hydrochlorothiazide | Phenelzine |
| Ampicillin | Hydrocodone | Phencyclidine |
| Apomorphine | Hydrocortisone | Prednisone |
| L-Ascorbic Acid | o-Hydroxyhippuric Acid | Procaine |
| Aspartame | 3-Hydroxytyramine | DL-Propranolol |
| Atropine | Ibuprofen | D-Propoxyphene |
| Benzilic Acid | DL-Isoproterenol | D-Pseudoephedrine |

| Benzoic Acid | Isoxsuprine | Quinine |
|-----------------------|----------------------------|-------------------------------|
| Benzoylecgonine | Ketamine | Ranitidine |
| Bilirubin | Ketoprofen | Salicylic Acid |
| Cannabidiol | Labetalol | Secobarbital |
| Chloral Hydrate | Loperamide | Serotonin (5-Hydroxytyramine) |
| Chloramphenicol | Maprotiline | Sulfamethazine |
| Chlorothiazide | Meperidine | Sulindac |
| Chlorpromazine | Meprobamate | Tetrahydrocortisone 3-(β-D- |
| Chloroquine | Methadone | Glucuronide) |
| Cholesterol | Methamphetamine | Tetrahydrozoline |
| Clonidine | Methoxyphenamine | Thiamine |
| Codeine | Morphine 3-β-D-Glucuronide | Thioridazine |
| Cortisone | Nalidixic acid | Triamterene |
| (-)-Cotinine | Naloxone | DL-Tyrosine |
| Creatinine | Naltrexone | Trifluoperazine |
| Deoxycorticosterone | Naproxen | Trimethoprim |
| Dextromethorphan | Niacinamide | DL-Tryptophan |
| Diclofenac | Nifedipine | Tyramine |
| Diflunisal | Norcodeine | Uric Acid |
| Digoxin | Norethindrone | Verapamil |
| Diphenhydramine | D-Norpropoxyphene | Zomepirac |
| Ecgonine Methyl Ester | Noscapine | |
| Erythromycin | DL-Octopamine | |

Non Cross-Reacting Compounds - Methadone

| ten erece noueling eemper | | |
|---------------------------|-----------------------------|-----------------------------|
| Acetaminophen | β-Estradiol | Oxycodone |
| Acetophenetidin | Estrone-3-Sulfate | Oxymetazoline |
| N-Acetylprocainamide | Ethyl-p-Aminobenzoate | Papaverine |
| Acetylsalicylic Acid | Fenoprofen | Penicillin-G |
| Aminopyrine | Furosemide | Pentazocine Hydrochloride |
| Amitriptyline | Gentisic Acid | Pentobarbital |
| Amobarbital | Hemoglobin | Perphenazine |
| Amoxicillin | Hydralazine | Phencyclidine |
| Ampicillin | Hydrochlorothiazide | Phenelzine |
| L-Ascorbic Acid | Hydrocodone | Phenobarbital |
| DL-Amphetamine Sulfate | Hydrocortisone | Phentermine |
| Apomorphine | o-Hydroxyhippuric Acid | L-Phenylephrine |
| Aspartame | p-Hydroxyamphetamine | β-Phenylethylamine |
| Atropine | p-Hydroxymethamphetamine | Phenylpropanolamine |
| Benzilic Acid | 3-Hydroxytyramine | Prednisolone |
| Benzoic Acid | Ibuprofen | Prednisone |
| Benzoylecgonine | Imipramine | Procaine |
| Benzphetamine | Iproniazid | Promazine |
| Bilirubin | (±)-Isoproterenol | Promethazine |
| Caffeine | Isoxsuprine | DL-Propranolol |
| Cannabidiol | Ketamine | D-Propoxyphene |
| Cannabinol | Ketoprofen | D-Pseudoephedrine |
| Chloral Hydrate | Labetalol | Quinacrine |
| Chloramphenicol | Levorphanol | Quinidine |
| Chlorothiazide | Loperamide | Quinine |
| Chlorpromazine | Maprotiline | Ranitidine |
| Chloroquine | Meperidine | Salicylic Acid |
| Cholesterol | Meprobamate | Secobarbital |
| Clomipramine | Methamphetamine | Serotonin |
| Clonidine | Methoxyphenamine | Sulfamethazine |
| Cocaethylene | (±)-3,4-Methylenedioxy- | Sulindac |
| Temazepam | amphetamine Hydrochloride | Tetracycline |
| Cocaine Hydrochloride | (±)-3,4-Methylenedioxymeth- | Tetrahydrocortisone 3-(β-D- |
| Codeine | amphetamine Hydrochloride | Glucuronide) |
| Cortisone | Morphine-3-β-D-Glucuronide | Tetrahydrozoline |
| (-)-Cotinine | Morphine Sulfate | Thebaine |
| Creatinine | Nalidixic Acid | Thiamine |
| Deoxycorticosterone | Naloxone | Thioridazine |
| Dextromethorphan | Naltrexone | DL-Tyrosine |
| Diazepam | Naproxen | Tolbutamide |
| Diclofenac | Niacinamide | Triamterene |
| Diflunisal | Nifedipine | Trifluoperazine |
| Digoxin | Norcodeine | Trimethoprim |

| Diphenhydramine | Norethindrone | Trimipramine | |
|------------------------|-------------------|---------------|--|
| Ecgonine Hydrochloride | D-Norpropoxyphene | Tryptamine | |
| Ecgonine Methyl Ester | Noscapine | DL-Tryptophan | |
| (-)-Ψ-Ephedrine | DL-Octopamine | Tyramine | |
| (IR,2S)-(-)-Ephedrine | Oxalic Acid | Uric Acid | |
| L-Epinephrine | Oxazepam | Verapamil | |
| Erythromycin | Oxolinic Acid | Zomepirac | |

Non Cross-Reacting Compounds – Methamphetamine 1000

| Acetaminophen | Gentisic Acid | Oxycodone |
|------------------------|----------------------------|-------------------------------|
| Acetophenetidin | Glucuronide | Oxymetazoline |
| N-Acetylprocainamide | Glutethimide | Papaverine |
| Acetylsalicylate | Guaifenesin | Penicillin-G |
| Aminopyrine | Hippuric Acid | Pentazocine |
| Amitriptyline | Hydralazine | Pentobarbital |
| Amobarbital | Hydrochlorothiazide | Perphenazine |
| Amoxicillin | Hydrocodone | Phencyclidine |
| Ampicillin | Hydrocortisone | Phenelzine |
| Apomorphine | o-Hydroxyhippuric Acid | Phenobarbital |
| Aspartame | 3-Hydroxytyramine | Prednisolone |
| Atropine | Ibuprofen | Phenylpropanolamine |
| Benzilic Acid | Imipramine | Prednisone |
| Benzoic Acid | (-)-Isoproterenol | Procaine |
| Benzoylecgonine | Isoxsuprine | Promazine |
| Butabarbital | Ketamine | Promethazine |
| Cannabidiol | Ketoprofen | DL-Propranolol |
| Chloral Hydrate | Labetalol | D-Propoxyphene |
| Chloramphenicol | Levorphanol | D-Pseudoephedrine |
| Chlordiazepoxide | Loperamide | Quinidine |
| Chlorothiazide | Loxapine Succinate | Quinine |
| Chlorpromazine | Maprotiline | Ranitidine |
| Cholesterol | Meperidine | Salicylic Acid |
| Clomipramine | Meprobamate | Secobarbital |
| Clonidine | Methadone | Serotonin (5-Hydroxytyramine) |
| Cocaine Hydrochloride | Methagualone | Sulfamethazine |
| Codeine | Methylphenidate | Sulindac |
| Cortisone | Methyprylon | Temazepam |
| (-)-Cotinine | Morphine-3-β-D-Glucuronide | Tetracycline |
| Creatinine | Nalidixic Acid | Tetrahydrocortisone 3-(β-D- |
| Deoxycorticosterone | Nalorphine | Glucuronide) |
| Dextromethorphan | Naloxone | Tetrahydrozoline |
| Diazepam | Naltrexone | Thebaine |
| Diclofenac | Naproxen | Thiamine |
| Diflunisal | Niacinamide | Thioridazine |
| Digoxin | Nifedipine | Tolbutamide |
| Diphenhydramine | Norcodeine | Triamterene |
| Doxylamine | Norethindrone | Trifluoperazine |
| Ecgonine Hydrochloride | Noroxymorphone | Trimethoprim |
| Ecgonine Methyl Ester | D-Norpropoxyphene | Trimipramine |
| Erythromycin | Noscapine | DL-Tryptophan |
| β-Estradiol | Nylidrin | Tyramine |
| Estrone-3-Sulfate | DL-Octopamine | DL-Tyrosine |
| Ethyl-p-Aminobenzoate | Oxalic Acid | Uric Acid |
| Fenoprofen | Oxazepam | Verapamil |
| Furosemide | Oxazepani Oxolinic Acid | Zomepirac |

Non Cross-Reacting Compounds – Methamphetamine 500

| Acetaminophen (4- | Erythromycin | DL-Octopamine |
|----------------------|------------------------|---------------|
| Acetamidophenol) | EMDP | Oxalic Acid |
| Acetophenetidin | β-Estradiol | Oxazepam |
| N-Acetylprocainamide | Fenoprofen | Oxolinic Acid |
| Acetylsalicylic Acid | Furosemide | Oxymetazoline |
| Albumin | Gentisic Acid | Papaverine |
| Aminopyrine | Hemoglobin | Penicillin-G |
| D-Amphetamine | Hydralazine | Pentobarbital |
| Amoxicillin | Hydrochlorothiazide | Perphenazine |
| Ampicillin | Hydrocodone | Phenelzine |
| Apomorphine | Hydrocortisone | Phencyclidine |
| L-Ascorbic Acid | o-Hydroxyhippuric Acid | Prednisone |

| Aspartame | 3-Hydroxytyramine | DL-Propranolol |
|-----------------------|----------------------------|-------------------------------|
| Atropine | Ibuprofen | D-Propoxyphene |
| Benzilic Acid | D,L-Isoproterenol | D-Pseudoephedrine |
| Benzoic Acid | Isoxsuprine | Quinine |
| Benzoylecgonine | Ketamine | Ranitidine |
| Bilirubin | Ketoprofen | Salicylic Acid |
| Cannabidiol | Labetalol | Secobarbital |
| Chloral Hydrate | Loperamide | Serotonin (5-Hydroxytyramine) |
| Chloramphenicol | Maprotiline | Sulfamethazine |
| Chlorothiazide | Meperidine | Sulindac |
| Chlorpromazine | Meprobamate | Tetrahydrocortisone3 (β-D- |
| Chloroquine | Methadone | Glucuronide) |
| Cholesterol | Methoxyphenamine | Tetrahydrozoline |
| Clonidine | Morphine-3-β-D-Glucuronide | Thiamine |
| Codeine | Nalidixic acid | Thioridazine |
| Cortisone | Naloxone | Triamterene |
| (-)-Cotinine | Naltrexone | DL-Tyrosine |
| Creatinine | Naproxen | Trifluoperazine |
| Deoxycorticosterone | Niacinamide | Trimethoprim |
| Dextromethorphan | Nifedipine | DL-Tryptophan |
| Diclofenac | Norcodeine | Tyramine |
| Diflunisal | Norethindrone | Uric Acid |
| Digoxin | D-Norpropoxyphene | Verapamil |
| Diphenhydramine | Noscapine | Zomepirac |
| Ecgonine Methyl Ester | Procaine | |

Non Cross-Reacting Compounds - Methylenedioxymethamphetamine

| 4-Acetamidophenol | L-Epinephrine | Pentobarbital |
|-----------------------------|----------------------------|--------------------------------|
| Acetophenetidin | Erythromycin | Perphenazine |
| N-Acetylprocainamide | β-Estradiol | Phencyclidine |
| Acetylsalicylic Acid | Estrone-3-Sulfate | Phenelzine |
| Aminopyrine | Ethyl-p-Aminobenzoate | Phenobarbital |
| Amitriptyline | Fenoprofen | Phentermine |
| Amobarbital | Furosemide | Trans-2-Phenylcyclopropylamine |
| Amoxicillin | Gentisic Acid | Hydrochloride |
| Ampicillin | Hemoglobin | L-Phenylephrine |
| L-Ascorbic Acid | Hydralazine | β-Phenylethylamine |
| Apomorphine | Hydrochlorothiazide | Phenylpropanolamine |
| Aspartame | Hydrocodone | Prednisolone |
| Atropine | Hydrocortisone | Prednisone |
| Benzilic Acid | o-Hydroxyhippuric Acid | Procaine |
| Benzoic Acid | 3-Hydroxytyramine | Promazine |
| Benzoylecgonine | Ibuprofen | Promethazine |
| Bilirubin | Imipramine | DL-Propranolol |
| (±)-Brompheniramine | Iproniazid | D-Propoxyphene |
| Buspirone | (±)-Isoproterenol | D-Pseudoephedrine |
| Caffeine | Isoxsuprine | Quinacrine |
| Cannabidiol | Ketamine | Quinidine |
| Cannabinol | Ketoprofen | Ranitidine |
| Chloral Hydrate | Labetalol | Salicylic Acid |
| Chloramphenicol | Levorphanol | Secobarbital |
| Chlordiazepoxide | Loperamide | Serotonin (5-Hydroxytyramine) |
| Chlorothiazide | Maprotiline | Sulfamethazine |
| (±)-Chlorpheniramine | Meperidine | Sulindac |
| Chlorpromazine | Meprobamate | Quinine |
| Chloroquine Methylphenidate | Methadone | Sustiva |
| Cholesterol | Morphine-3-β-D-Glucuronide | Temazepam |
| Clomipramine | Morphine Sulfate | Tetracycline |
| Clonidine | Nalidixic Acid | Tetrahydrocortisone 3-(β-D- |
| Cocaethylene | Naloxone | Glucuronide) |
| Cocaine Hydrochloride | Naltrexone | Tetrahydrozoline |
| Codeine | Naproxen | Thebaine |
| Cortisone | Niacinamide | Theophylline |
| (-)-Cotinine | Nifedipine | Thiamine |
| Creatinine | Nimesulide | Thioridazine |
| Deoxycorticosterone | Norcodeine | Tolbutamide |
| Dextromethorphan | Norethindrone | Trazodone |
| Diclofenac | D-Norpropoxyphene | Triamterene |

| Diazepam | Noscapine | DL-Tyrosine |
|------------------------|---------------------------|-----------------|
| Diflunisal | DL-Octopamine | Trifluoperazine |
| Digoxin | Oxalic Acid | Trimethoprim |
| Dicyclomine | Oxazepam | Trimipramine |
| Diphenhydramine | Oxolinic Acid | Tryptamine |
| 5,5-Diphenylhydantoin | Oxycodone | DL-Tryptophan |
| Doxylamine | Oxymetazoline | Tyramine |
| Ecgonine Hydrochloride | Papaverine | Uric Acid |
| Ecgonine Methyl Ester | Penicillin-G | Verapamil |
| (IR,2S)-(-)-Ephedrine | Pentazocine Hydrochloride | Zomepirac |

Non Cross-Reacting Compounds – Methylphenidate

| (-)-Ephedrine | Chlorpheniramine | Oxalic Acid |
|---------------------------|-------------------------|---------------------------|
| (+)-Naproxen | Creatine | Penicillin-G |
| (+/-)-Ephedrine | Dextromethorphan | Pheniramine |
| 4-Dimethyllaminoantiyrine | Dextrorphan tartrate | Phenothiazine |
| Acetaminophen | Dopamine | Procaine |
| Acetone | Erythromycin | Protonix |
| Albumin | Ethanol | Pseudoephedrine |
| Amitriptyline | Furosemide | Quinidine |
| Ampicillin | Glucose | Ranitidine |
| Aspartame | Guaiacol Glyceryl Ether | Sertraline |
| Aspirin | Hemoglobin | Tyramine |
| Benzocaine | Ibuprofen | Vitamin C (Ascorbic Acid) |
| Bilirubin | Imipramine | Trimeprazine |
| b-Phenylethyl-amine | Isoproterenol | Venlafaxine |
| Caffeine | Lidocaine | |
| Chloroquine | Methadone | |

Non Cross-Reacting Compounds – Opiates 2000

| 4-Acetamidophenol | (-)-Ψ-Ephedrine | Oxolinic Acid |
|-----------------------|--------------------------|-------------------------------|
| Acetophenetidin | Erythromycin | Oxymetazoline |
| N-Acetylprocainamide | β-Estradiol | Papaverine |
| Acetylsalicylic Acid | Estrone-3-Sulfate | Penicillin-G |
| Aminopyrine | Ethyl-p-Aminobenzoate | Pentazocine |
| Amitriptyline | Fenoprofen | Pentobarbital |
| Amobarbital | Furosemide | Perphenazine |
| Amoxicillin | Gentisic Acid | Phencyclidine |
| Ampicillin | Hemoglobin | Phenelzine |
| Ascorbic Acid | Hydralazine | Phenobarbital |
| DL-Amphetamine | Hydrochlorothiazide | Phentermine |
| Apomorphine | Hydrocortisone | L-Phenylephrine |
| Aspartame | o-Hydroxyhippuric Acid | β-Phenylethylamine |
| Atropine | p-Hydroxymethamphetamine | Phenylpropanolamine |
| Benzilic Acid | 3-Hydroxytyramine | Prednisone |
| Benzoic Acid | Ibuprofen | DL-Propranolol |
| Benzoylecgonine | Imipramine | D-Propoxyphene |
| Benzphetamine | Iproniazid | D-Pseudoephedrine |
| (±)-Bilirubin | Isoproterenol | Quinidine |
| Brompheniramine | Isoxsuprine | Quinine |
| Caffeine | Ketamine | Ranitidine |
| Cannabidiol | Ketoprofen | Salicylic Acid |
| Chloral Hydrate | Labetalol | Secobarbital |
| Chloramphenicol | Loperamide | Serotonin (5-Hydroxytyramine) |
| Chlordiazepoxide | Maprotiline | Sulfamethazine |
| Chlorothiazide | Meperidine | Sulindac |
| (±)-Chlorpheniramine | Meprobamate | Temazepam |
| Chlorpromazine | Methadone | Tetracycline |
| Chloroquine | Methoxyphenamine | Tetrahydrocortisone 3-(β-D- |
| Cholesterol | (+)-3,4-Methylenedioxy- | Glucuronide) |
| Clomipramine | amphetamine | Tetrahydrozoline |
| Clonidine | (+)-3,4-Methylenedioxy- | Thiamine |
| Cocaine Hydrochloride | methamphetamine | Thioridazine |
| Cortisone | Nalidixic Acid | DL-Tyrosine |
| (-)-Cotinine | Nalorphine | Tolbutamide |
| Creatinine | Naloxone | Triamterene |
| Deoxycorticosterone | Naltrexone | Trifluoperazine |
| Dextromethorphan | Naproxen | Trimethoprim |
| Diazepam | Niacinamide | Trimipramine |

| Diclofenac | Nifedipine | Tryptamine |
|------------------------|-------------------|---------------|
| Diflunisal | Norethindrone | DL-Tryptophan |
| Digoxin | D-Norpropoxyphene | Tyramine |
| Diphenhydramine | Noscapine | Uric Acid |
| Doxylamine | DL-Octopamine | Verapamil |
| Ecgonine Hydrochloride | Oxalic Acid | Zomepirac |
| Ecgonine Methyl Ester | Oxazepam | |

Non Cross-Reacting Compounds - Opiates 300

| Acebutolol | Erythromycin | Oxymetazoline |
|------------------------|-----------------------------------|-------------------------------|
| Acetylpromazine-d6 | β-Estradiol | p-Hydroxymethamphetamine |
| 4-Acetamidophenol | Estrone-3-Sulfate | Papaverine |
| Acetophenetidin | Ethyl-p-Aminobenzoate | Penicillin-G |
| N-Acetylprocainamide | 2-Ethylidene-1,5-Dimethyl-3,3- | Pentazocine |
| Acetylsalicylic Acid | Diphenylpyrrolidine | Pentobarbital |
| Aminopyrine | Fenoprofen | Perphenazine |
| Amitriptyline | Furosemide | Phencyclidine |
| Amobarbital | Gentisic Acid | Phenelzine |
| Amoxicillin | Hemoglobin | Phenobarbital |
| Ampicillin | Hydralazine | Phentermine |
| Ascorbic Acid | Hydrochlorothiazide | L-Phenylephrine |
| Amphetamine | Hydrocortisone | β-Phenethylamine |
| L-Amphetamine | o-Hydroxyhippuric Acid | β-Phenylethylamine |
| Apomorphine | 3-Hydroxytyramine | Phenylpropanolamine |
| Aspartame | Ibuprofen | Prednisolone |
| Atropine | Imipramine | Prednisone |
| Benzilic Acid | lprazid | Promazine |
| Benzoic Acid | (-)-Isoproterenol | Promethazine |
| Benzoylecgonine | Isoxsuprine | DL-Propranolol |
| Benzphetamine | Ketamine | D-Propoxyphene |
| Bilirubin | Ketoprofen | D-Pseudoephedrine |
| Brompheniramine | Labetalol | Quinidine |
| Buprenorphine | Loperamide | Quinine |
| Butalbital | Maprotiline | Ranitidine |
| Caffeine | Meprobamate | Salicylic Acid |
| Chloral Hydrate | Methadone | Secobarbital |
| Chloramphenicol | Methamphetamine | Serotonin (5-Hydroxytyramine) |
| Chlordiazepoxide | Methoxyphenamine | Sulfamethazine |
| Chlorothiazide | (+)-3,4- | Sulindac |
| (±)-Chlorpheniramine | Methylenedioxyamphetamine | Temazepam |
| Chlorpromazine | Methylenedioxymethamphetamine | Tetracycline |
| Chloroquine | Methylphenidate | Tetrahydrocortisone 3-(β-D- |
| Cholesterol | Nalorphine | Glucuronide) |
| Clomipramine | Naloxone | Tetrahydrozoline |
| Clonidine | Nalidixic Acid | Thiamine |
| Cocaine Hydrochloride | Naltrexone | Thioridazine |
| Cortisone | Naproxen | DL-Thyroxine |
| (-)-Cotinine | Niacinamide | Tolbutamide |
| Creatinine | Nifedipine | Triamterene |
| Deoxycorticosterone | Norcodeine | Trifluoperazine |
| Deoxyconicosterone | Norethindrone | Trimethoprim |
| Diazepam | D-Norpropoxyphene | Trimipramine |
| Diclofenac | 11-nor-Δ ⁹ -THC-9-COOH | Tryptamine |
| Diflunisal | Nortriptyline | DL-Tryptophan |
| | | |
| Digoxin | Noscapine DL Octonomina | Tyramine |
| Diphenhydramine | DL-Octopamine | DL-Tyrosine |
| Doxylamine | Oxalic Acid | Uric Acid |
| Ecgonine Hydrochloride | Oxazepam | Verapamil |
| Ecgonine Methyl Ester | Oxycodone | Zomepirac |

Non Cross-Reacting Compounds - Oxycodone

| Acetophenetidin | Ethyl-p-Aminobenzoate | Papaverine |
|----------------------|-----------------------|---------------------|
| Acetylsalicylic Acid | β-Estradiol | Penicillin-G |
| Aminopyrine | Estrone-3-Sulfate | Perphenazine |
| Amoxicillin | Erythromycin | Phenelzine |
| Ampicillin | Fenoprofen | L-Phenylephrine |
| Apomorphine | Furosemide | β-Phenylethylamine |
| Aspartame | Gentisic Acid | Phenylpropanolamine |

| Atropine | Hemoglobin | Prednisone |
|-----------------------|------------------------|----------------------------|
| Benzilic Acid | Hydralazine | Loperamide |
| Benzoic Acid | Hydrochlorothiazide | Quinine |
| Benzphetamine | Hydrocortisone | Quinidine |
| Bilirubin | o-Hydroxyhippuric Acid | Ranitidine |
| Deoxycorticosterone | 3-Hydroxytyramine | Salicylic Acid |
| Caffeine | Labetalol | Serotonin |
| Chloral Hydrate | DL-Isoproterenol | Sulfamethazine |
| Chloramphenicol | Meprobamate | Sulindac |
| Chlorothiazide | Methoxyphenamine | Tetracycline |
| DL-Chlorpheniramine | Nalidixic Acid | Tetrahydrocortisone |
| Chlorpromazine | Naloxone | Morphine-3-β-D-Glucuronide |
| Chloroquine | Naltrexone | Tetrahydrozoline |
| Cholesterol | Naproxen | Thiamine |
| Clonidine | Niacinamide | Thioridazine |
| L-Cotinine | Nifedipine | DL-Tyrosine |
| Cortisone | Isoxsuprine | Tolbutamide |
| Creatinine | DL-Propranolol | Triamterene |
| D-Pseudoephedrine | Ketoprofen | Trifluoperazine |
| Dextromethorphan | Norethindrone | Trimethoprim |
| Diclofenac | D-Norpropoxyphene | Tyramine |
| Diflunisal | Noscapine | DL-Tryptophan |
| Digoxin | DL-Octopamine | Urine Acid |
| Diphenhydramine | Oxalic Acid | Verapamil |
| L-Ephedrine | Oxolinic Acid | Zomepirac |
| Ecgonine Methyl Ester | Oxymetazoline | |

Non Cross-Reacting Compounds - Phencyclidine

| Acetaminophen | Erythromycin | Oxycodone |
|-----------------------|-------------------------------|-------------------------------|
| Acetophenetidin | β-Estradiol | Oxymetazoline |
| N-Acetylprocainamide | Estrone-3-Sulfate | Papaverine |
| Acetylsalicylic Acid | Ethyl-p-Aminobenzoate | Penicillin-G |
| Aminopyrine | Fenoprofen | Pentazocine Hydrochloride |
| Amitriptyline | Furosemide | Pentobarbital |
| Amobarbital | Gentisic Acid | Perphenazine |
| Amoxicillin | Hemoglobin | Phenelzine |
| Ampicillin | Hydralazine | Phenobarbital |
| Ascorbic Acid | Hydrochlorothiazide | Phentermine |
| DL-Amphetamine | Hydrocodone | L-Phenylephrine |
| Apomorphine Acid | Hydrocortisone | β-Phenylethylamine |
| Aspartame | o-Hydroxyhippuric | Phenylpropanolamine |
| Atropine | p-Hydroxymethamphetamine | Prednisolone |
| Benzilic Acid | 3-Hydroxytyramine | Prednisone |
| Benzoic Acid | Ibuprofen | Procaine |
| Benzoylecgonine | Imipramine | Promazine |
| Benzphetamine | Iproniazid | Promethazine |
| Bilirubin | (±)-lsoproterenol | DL-Propranolol |
| Brompheniramine | Isoxsuprine | D-Propoxyphene |
| Caffeine | Ketamine | D-Pseudoephedrine |
| Cannabidiol | Ketoprofen | Quinidine |
| Cannabinol | Labetalol | Quinine |
| Chloral Hydrate | Loperamide | Ranitidine |
| Chloramphenicol | Maprotiline | Salicylic Acid |
| Chlordiazepoxide | Meperidine | Secobarbital |
| Chlorothiazide | Meprobamate | Serotonin (5-Hydroxytyramine) |
| (±)-Chlorpheniramine | Methadone | Sulfamethazine |
| Chlorpromazine | Methoxyphenamine | Sulindac |
| Chloroquine | (+)-3,4- | Temazepam |
| Cholesterol | Methylenedioxyamphetamine | Tetracycline |
| Clomipramine | (+)-3,4- | Tetrahydrocortisone 3-(β-D- |
| Clonidine | Methylenedioxymethamphetamine | Glucuronide) |
| Cocaine Hydrochloride | Morphine-3-β-D-Glucuronide | Tetrahydrozoline |
| Codeine | Morphine Sulfate | Thiamine |
| Cortisone | Nalidixic Acid | Thioridazine |
| (-)-Cotinine | Naloxone | DL-Tyrosine |
| Creatinine | Naltrexone | Tolbutamide |
| Deoxycorticosterone | Naproxen | Triamterene |
| Dextromethorphan | Niacinamide | Trifluoperazine |
| Diazepam | Nifedipine | Trimethoprim |

| Diclofenac | Norcodeine | Trimipramine |
|------------------------|-------------------|---------------|
| Diflunisal | Norethindrone | Tryptamine |
| Digoxin | D-Norpropoxyphene | DL-Tryptophan |
| Diphenhydramine | Noscapine | Tyramine |
| Doxylamine | DL-Octopamine | Uric Acid |
| Ecgonine Hydrochloride | Oxalic Acid | Verapamil |
| Ecgonine Methyl Ester | Oxazepam | Zomepirac |
| (-)-Ψ-Ephedrine | Oxolinic Acid | |

Non Cross-Reacting Compounds – Methylphenidate

| (-)-Ephedrine | Chlorpheniramine Oxalic Acid | |
|---------------------------|------------------------------|---------------------------|
| (+)-Naproxen | Creatine | Penicillin-G |
| (+/-)-Ephedrine | Dextromethorphan | Pheniramine |
| 4-Dimethyllaminoantiyrine | Dextrorphan tartrate | Phenothiazine |
| Acetaminophen | Dopamine | Procaine |
| Acetone | Erythromycin | Protonix |
| Albumin | Ethanol | Pseudoephedrine |
| Amitriptyline | Furosemide | Quinidine |
| Ampicillin | Glucose | Ranitidine |
| Aspartame | Guaiacol Glyceryl Ether | Sertraline |
| Aspirin | Hemoglobin | Tyramine |
| Benzocaine | Ibuprofen | Vitamin C (Ascorbic Acid) |
| Bilirubin | Imipramine | Trimeprazine |
| b-Phenylethyl-amine | Isoproterenol Venlafaxine | |
| Caffeine | Lidocaine | |
| Chloroquine | Methadone | |

Non Cross-Reacting Compounds - Tricyclic Antidepressants

| 4-Acetamidophenol | β-Estradiol | Oxycodone |
|------------------------|-------------------------------|---|
| Acetophenetidin | Estrone-3-Sulfate | Oxymetazoline |
| N-Acetylprocainamide | Ethyl-p-Aminobenzoate | Papaverine |
| Acetylsalicylic Acid | Fenoprofen | Penicillin-G |
| Aminopyrine | Furosemide | Pentazocine Hydrochloride |
| Amobarbital | Gentisic Acid | Pentobarbital |
| Amoxicillin | Hemoglobin | Perphenazine |
| Ampicillin | Hydralazine | Phencyclidine |
| L-Ascorbic Acid | Hydrochlorothiazide | Phenelzine |
| DL-Amphetamine Sulfate | Hydrocodone | Phenobarbital |
| Apomorphine | Hydrocortisone | Phentermine |
| Aspartame | o-Hydroxyhippuric Acid | β-Phenylethylamine |
| Atropine | p-Hydroxyamphetamine | Trans-2-Phenylcyclopropylamine |
| Benzilic Acid | p-Hydroxymethamphetamine | Hydrochloride |
| Benzoic Acid | 3-Hydroxytyramine | L-Phenylephrine |
| Benzoylecgonine | Ibuprofen | Phenylpropanolamine |
| Benzphetamine | Iproniazid | Prednisolone |
| Bilirubin | (±)-Isoproterenol | Prednisone |
| (±)-Brompheniramine | Isoxsuprine | Procaine |
| Caffeine | Ketamine | DL-Propranolol |
| Cannabidiol | Ketoprofen | D-Propoxyphene |
| Cannabinol | Labetalol | D-Pseudoephedrine |
| Chloral Hydrate | Loperamide | Quinacrine |
| Chloramphenicol | MDE | Quinidine |
| Chlorothiazide | Meperidine | Quinine |
| (±)-Chlorpheniramine | Meprobamate | Ranitidine |
| Chlorpromazine | Methadone | Salicylic Acid |
| Chloroquine | L-Methamphetamine | Secobarbital |
| Cholesterol | Methoxyphenamine | Serotonin |
| Clonidine | (±)-3,4-Methylenedioxy- | Sulfamethazine |
| Cocaethylene | amphetamine Hydrochloride | Sulindac |
| Cocaine Hydrochloride | (+)-3,4-Methylenedioxy- | Tetracycline |
| Codeine | methamphetamine Hydrochloride | Tetrahydrocortisone 3-(β-D- Glucuronide) |
| Cortisone | Morphine-3-β-D-Glucuronide | |
| (-)-Cotinine | Morphine Sulfate | Tetrahydrozoline |
| Creatinine | Nalidixic Acid | Thiamine |
| Deoxycorticosterone | Naloxone | Thioridazine |
| Dextromethorphan | Naltrexone | DL-Tyrosine |
| Diclofenac | Naproxen | Tolbutamide |
| Diflunisal | Niacinamide | Triamterene |
| Digoxin | Nifedipine | Trifluoperazine |
| Diphenhydramine | Norcodeine | Trimethoprim |

| Doxylamine | Norethindrone | Tryptamine |
|------------------------|-------------------|---------------|
| Ecgonine Hydrochloride | D-Norpropoxyphene | DL-Tryptophan |
| Ecgonine Methyl Ester | Noscapine | Tyramine |
| Ephedrine | Oxalic Acid | Uric Acid |
| L-Epinephrine | Oxazepam | Verapamil |
| Erythromycin | Oxolinic Acid | Zomepirac |

The Urine Alcohol Test Strip will react with methyl, ethyl and allyl alcohols. The following substances may interfere with the Urine Alcohol Test Strip, these substances do not normally appear in sufficient quantity in human urine to interfere with the test:

| (-)-Ephedrine | Chlorpheniramine | Oxalic Acid |
|---------------------------|-------------------------|---------------------------|
| (+)-Naproxen | Creatine | Penicillin-G |
| (+/-)-Ephedrine | Dextromethorphan | Pheniramine |
| 4-Dimethyllaminoantiyrine | Dextrorphan tartrate | Phenothiazine |
| Acetaminophen | Dopamine | Procaine |
| Acetone | Erythromycin | Protonix |
| Albumin | Ethanol | Pseudoephedrine |
| Amitriptyline | Furosemide | Quinidine |
| Ampicillin | Glucose | Ranitidine |
| Aspartame | Guaiacol Glyceryl Ether | Sertraline |
| Aspirin | Hemoglobin | Tyramine |
| Benzocaine | Ibuprofen | Vitamin C (Ascorbic Acid) |
| Bilirubin | Imipramine | Trimeprazine |
| B-Phenylethyl-amine | Isoproterenol | Venlafaxine |
| Caffeine | Lidocaine | |
| Chloroquine | Methadone | |

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- Hawks RL, CN Chiang. Urine Testing for Drugs of Abuse. National Institute for Drug Abuse (NIDA), Research Monograph 73, 1986.
- Volpicellim, Joseph R., M.D., Ph.D: Alcohol Dependence: Diagnosis, Clinical Aspects and Biopsychosocial Causes, Substance Abuse Library, University of Pennsylvania, 1997.

ADDITIONAL INFORMATION AND REFERENCES

The following list of organizations may be helpful to you for counseling support and resources. These groups also have an Internet address, which can be access for additional information. National Clearinghouse for Alcohol and Drug Information www.health.org 1-800-682-HELP Center for Substance Abuse Treatment www.health.org 1-800-682-HELP

The National Council on Alcoholism and Drug Dependence www.ncadd.org 1-800-NCA-CALL

American Council for Drug Education (ACDE) www.acde.org 1-800-488-DRUG

SYMBOLS

| 2 | Do not reuse | ĺ | Consult instructions for use |
|-------------|-------------------|----------|------------------------------------|
| ** * | Manufacturer | Σ | Contains sufficient <n>tests</n> |
| REF | Catalog number | LOT | Batch code |
| \triangle | Caution | IVD | In vitro diagnostic medical device |
| ž | Use by YYYY-MM-DD | | Do not use if package is damaged |
| X | Temperature limit | × | Keep away from sunlight |



CareHealth America Corporation dba Express Diagnostics Int'l, Inc. 1550 Industrial Drive BLUE EARTH MN USA 56013

ROYAL MEDICAL SUPPLIES PTY LTD 50 / 49–51 Mitchell Rd

50 / 49–51 Mitchell Rd BROOKVALE NSW 2100 Tel: 02 9939-4122

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