## PRECISION Saliva Scan<sup>®</sup> For Forensic use only

The Oral Screen Saliva Drug Test is a rapid visual immunoassay for the qualitative detection of drugs of abuse in human oral fluid specimens. The test system consists of up to 16 membrane strips mounted in a plastic device. This test detects combinations of the following drugs at the concentrations listed below. Specific combinations will vary according to the test in question:

| Test                           | Calibrator   | Cut-off (ng/ml) |
|--------------------------------|--|-----------------|
| Amphetamine (AMP)              | D-Amphetamine  | 40/50           |
| Barbiturate(BAR)               | Secobarbital   | 50              |
| Benzodiazepine (BZO)           | Oxazepam   | 10/50           |
| Buprenorphine(BUP)             | Buprenorphine  | 5               |
| Cocaine (COC)                  | Cocaine  | 20/30/50        |
| Cotinine(COT)                  | Cotinine   | 50              |
| MEP                            | Mephedrone   | 100             |
| MQL                            | Methaqualone   | 30              |
| MDPV                           | 3,4-Methylenedioxypyrovalerone                       | 50              |
| EDDP(EDDP)                     | 2-Ethyliden-1,5-Dimethyl-3,3-Dip<br>henylpyrrolidine | 20              |
| K2                             | JWH-018/JWH-073                                      | 30              |
| Ketamine (KET)                 | Ketamine   | 50/100          |
| Methadone (MTD)                | Methadone  | 30/50           |
| Fentanyl(FYL)                  | Fentanyl   | 10              |
| Tricyclic Antidepressants(TCA) | Nortriptyline  | 100             |
| Methamphetamine (MET)          | D-Methamphetamine                                    | 50/40           |
| Ecstasy (MDMA)                 | 3,4-Methylenedioxymethampheta<br>mine                | 50/40           |
| 6-MAM                          | 6-Monoacetylmorphine                                 | 10              |
| Opiates (OPI)                  | Morphine   | 25/40/50        |
| Oxycodone(OXY)                 | Oxycodone  | 20/40           |
| Phencyclidine (PCP)            | Phencyclidine  | 10              |
| Propoxyphene(PPX)              | Propoxyphene   | 50              |
| Marijuana (THC)                | 11-nor-∆ <sup>9</sup> -THC-9-COOH                    | 12              |
| Marijuana (THC parent)         | $\Delta^9$ -THC                                      | 30/50           |
| Tramadol(TRA)                  | Tramadol   | 30              |
| Alcohol (ALC)                  | Alcohol  | 0.02%           |
|                                |  |                 |

#### PRINCIPLE

The Oral Screen Saliva Drug Test is an immunoassay based on the principle of competitive binding. Drugs that may be present in the oral fluid specimen compete against their respective drug conjugate for binding sites on their specific antibody.

During testing, a portion of the oral fluid specimen migrates upward by capillary action. A drug, if present in the oral fluid specimen below its cut-off concentration, will not saturate the binding sites of its specific antibody. The antibody will then react with the drug-protein conjugate and a visible colored line will show up in the test line region of the specific drug strip. The presence of drug above the cut-off concentration in the oral fluid specimen will saturate all the binding sites of the antibody. Therefore, the colored line will not form in the test line region

A drug-positive oral fluid specimen will not generate a colored line in the specific test line region of the strip because of drug competition, while a drug-negative oral fluid specimen will generate a line in the test line region because of the absence of drug competition. To serve as a procedural control, a colored line will always appear at the control line region, indicating that proper volume of specimen has been added and membrane wicking has occurred.

Saliva Alcohol Test consists of a plastic strip with a reaction pad attached at the tip. On contact with solutions of alcohol, the reaction pad will rapidly turn colors depending on the concentration of alcohol present. The pad employs a solid-phase chemistry which uses a highly specific enzyme reaction.

#### MATERIALS

Individually packed screening devices Oral fluid collection swabs Package insert



PRECAUTIONS

Do not use after the expiration date indicated on the package. Do not use the test if the foil pouch is

· Do not eat, drink or smoke in the area where specimens and kits are handled. Handle all specimens as if they contain infectious agents. Observe established precautions against microbiological hazards throughout the procedure and follow standard procedures for the proper disposal of specimens. Wear

protective clothing such as laboratory coats, disposable gloves and eye protection when specimens are

· Wear protective clothing such as laboratory coats, disposable gloves and eye protection when specimens

STORAGE AND STABILITY

Care should be taken to protect the components of the kit from contamination. Do not use if there is

evidence of microbial contamination or precipitation. Biological contamination of dispensing

If specimens are to be shipped, pack them in compliance with all applicable regulations for

PROCEDURE

Bring tests, specimens, and/or controls to room temperature (60-86°F or 15-30°C) before use. Donors

should avoid placing anything (including food, drink, gum and tobacco products) in their mouth for

Bring tests, specimens, and/or controls to room temperature (60-86°F or 15-30°C) before use.

indicator window of collection swab. Important: Do not bite, suck, or chew on the sponge

The oral fluid specimen should be collected using the collector provided with the kit. No other

Instruct the donor to not place anything in the mouth including food, drink, gum, or tobacco products

Using the provided collection swab, have donor sweep inside of mouth (cheek, gums, and tongue)

several times, and then hold swab in mouth until color on the saturation indicator strip appears in the

Remove the collection swab from the mouth and insert it, sponge first, into the screening device. Screw

Test device upright on flat surface and keep upright while test is running. Wait for the colored bands to

appear in test results area. Read results at 5 minutes. Do not interpret the result after 20 minutes. NOTE:

Once the collection swab locks in place, the device is airtight, tamper evident, and ready to be

disposed or sent to lab for confirmation (on presumptive positive result).

NOTE: After 7 minutes, proceed with the test below, even if color on the saturation indicator has not

SPECIMEN COLLECTION AND STORAGE

The Oral Screen Saliva Drug Test is intended for use with human oral fluid specimens only.

The kit should be stored at 36-86°F (2-30°C) until the expiry date printed on the sealed pouch

Used testing materials should be discarded in accordance with local regulations.

Timer

assaved

are assaved

Do not freeze

nackage insert

.

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For professional in vitro diagnostic use only.

Read the entire procedure carefully prior to testing.

· Humidity and temperature can adversely affect results.

· The test must remain in the sealed pouch until use.

equipment, containers or reagents can lead to false results.

Perform testing immediately after specimen collection.

Kits should be kept out of direct sunlight.

transportation of etiological agents

at least 10 minutes prior to specimen collection.

for at least 10 minutes prior to collection.

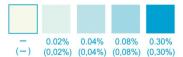
appeared in the indicator window

cap down tightly until fully locked

collection devices should be used with this assay.

damaged. Do not reuse tests.





negative

invalid

Other Drug Tests, read result at 5min

## INTERPRETATION OF RESULTS

positive

### INTERPRETATION OF DOA RESULTS:

(See previous illustration)

POSITIVE: Only one colored band appears, in the control region (C). No colored band appears in the test region (T) for the drug in question. A positive result indicates that the drug concentration exceeds the detectable level

NEGATIVE: Two colored bands appear on the membrane. One band appears in the control region (C) and another band appears in the test region (T) for the drug in question. A negative result indicates that the drug concentration is below the detectable level.

INVALID: Control band fails to appear. Results from any test which has not produced a control band (C) at the specified read time must be discarded. Please review the procedure and repeat with a new test. If the problem persists, discontinue using the kit immediately and contact your local distributor.

#### NOTE Oral fluid specimens must be collected according to the directions in the Procedure section of this

- The intensity of color in the test region (T) may vary depending on the concentration of analytes present in the specimen. Therefore, any shade of color in the test region (T) should be considered negative. Please note that this is a qualitative test only, and cannot determine the concentration of analytes in the specimen.
- 2. Insufficient specimen volume, incorrect operating procedure or expired tests are the most likely reasons for control band failure

#### For Alcohol tests:

Positive: The One Step Saliva Alcohol Test will produce a color change in the presence of saliva alcohol. The color will range from light blue color at 0.02% relative blood alcohol concentration to a dark blue color near 0.30% relative blood alcohol concentration. Color pads are provided within this range to allow an approximation of relative blood alcohol concentration. The test may produce colors that appear to be between adjacent color pads.

NOTE: The One Step Saliva Alcohol Test is very sensitive to the presence of alcohol. A blue color that is lighter than the 0.02% color pad should be interpreted as being positive to the presence of alcohol in saliva but less than 0.02% relative blood alcohol.

Negative: When the One Step Saliva Alcohol Test shows no color change this should be interpreted as a negative result indicating that alcohol has not been detected.

Invalid: If the color pad has a blue color before applying saliva sample, do not use the test.

NOTE: A result where the outer edges of the color pad produces a slight color but the majority of the pad remains colorless the test should be repeated to ensure complete saturation of the pad with saliva. The test is not reusable.

#### OUALITY CONTROL

- Internal procedural controls are included in the test. A colored band appearing in the control region (C) is considered an internal positive procedural control, confirming sufficient specimen volume and correct procedural technique
- External controls are not supplied with this kit. It is recommended that positive and negative controls be tested as a good laboratory practice to confirm the test procedure and to verify proper test performance.

### LIMITATIONS OF THE TEST

- The Oral Screen Saliva Drug Test is for professional in vitro diagnostic use, and should be only used for the qualitative detection of drugs of abuse in oral fluid.
- 2 This assay provides a preliminary analytical test result only. A more specific alternative chemical method must be used in order to obtain a confirmed analytical result. Gas chromatography/mass spectrometry (GC/MS) has been established as the preferred confirmatory method by the National Institute on Drug Abuse (NIDA). Clinical consideration and professional judgment should be applied to any test result, particularly when preliminary positive results are indicated.
- There is a possibility that technical or procedural errors as well as other substances and factors may interfere with the test and cause false results
- A positive result indicates the presence of a drug/metabolite only, and does not indicate or measure intoxication
- A negative result does not at any time rule out the presence of drugs/metabolites in saliva, as they may be present below the minimum detection level of the test.
- 6 This test does not distinguish between drugs of abuse and certain medications.
- Limitation of ALC test:
- 1. Failure to wait 10 minutes after placing food, drink, or other materials (including smoking) in the mouth before running the test can produce erroneous results due to possible contamination of the saliva by interfering substances
- 2. The Saliva Alcohol Test is highly sensitive to the presence of alcohol. Alcohol vapors in the air are sometimes detected by the Saliva Alcohol Test. 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.

invalid negative positive

# Materials Provided

SalivaScar

PRECISION

 Ingestion or general use of over-the-counter medications and products containing alcohol can produce positive results. PERFORMANCE CHARACTERISTICS

A. Sensitivity A phosphate-buffered saline (PBS) pool was spiked with drugs to target concentrations of ± 50% cut-off and ± 25% cut-off and tested with The Oral Screen Saliva Drug Test. The results are summarized below.

| Drug Conc.   | n  | A  | мр  | B  | BUP   |   | 20  | COC   |   |
|--|--|--|---|--|---|---|---|---|---|
| (Cut-off range)  | п  | -  | +   | -  | +   | -   | +   | -   | +   |
| 0% Cut-off   | 30   | 30   | 0   | 30   | 0   | 30  | 0   | 30  | 0   |
| -50% Cut-off   | 30   | 30   | 0   | 30   | 0   | 30  | 0   | 30  | 0   |
| -25% Cut-off   | 30   | 30   | 0   | 28   | 2   | 30  | 0   | 29  | 1   |
| Cut-off  | 30   | 12   | 18  | 11   | 19  | 14  | 16  | 12  | 18  |
| +25% Cut-off   | 30   | 2  | 28  | 8  | 22  | 4   | 26  | 2   | 28  |
| +50% Cut-off   | 30   | 0  | 30  | 0  | 30  | 0   | 30  | 0   | 30  |
| · boro cut on  | 50   | 0  | 50  | Ū  | 50  | Ū   | 50  | 0   |   |
| Drug Conc.   | n  | C  | -   | ED   |   | K   |   | MI  |   |
| (Cut-off range)  |  | -  | +   | -  | +   | -   | +   | -   | +   |
| 0% Cut-off   | 30   | 30   | 0   | 30   | 0   | 30  | 0   | 30  | 0   |
| -50% Cut-off   | 30   | 30   | 0   | 30   | 0   | 30  | 0   | 30  | 0   |
| -25% Cut-off   | 30   | 30   | 0   | 30   | 0   | 27  | 3   | 30  | 0   |
| Cut-off  | 30   | 11   | 19  | 13   | 17  | 9   | 21  | 13  | 17  |
| +25% Cut-off   | 30   | 1  | 29  | 2  | 28  | 3   | 27  | 3   | 27  |
| +50% Cut-off   | 30   | 0  | 30  | 0  | 30  | 0   | 30  | 0   | 30  |
|  |  |  |   |  |   |   |   |   |   |
| Drug Conc.   |  | M  | OR  | M  | TD  | 02  | XY  | PC  | CP .  |
| (Cut-off range)  | n  | -  | +   | -  | +   | -   | +   | -   | +   |
| 0% Cut-off   | 30   | 30   | 0   | 30   | 0   | 30  | 0   | 30  | 0   |
| -50% Cut-off   | 30   | 30   | 0   | 30   | 0   | 30  | 0   | 30  | 0   |
| -25% Cut-off   | 30   | 28   | 2   | 30   | 0   | 28  | 2   | 28  | 2   |
| Cut-off  | 30   | 10   | 20  | 10   | 20  | 10  | 20  | 11  | 19  |
| +25% Cut-off   | 30   | 9  | 21  | 2  | 28  | 4   | 26  | 5   | 25  |
| +50% Cut-off   | 30   | Ó  | 30  | 0  | 30  | 0   | 30  | 0   | 30  |
|  | 1  |  |   |  |   | ţ   |   | , ,   |   |
| Drug Conc.   | n  | TI   | IC  | THC  | parent  | BA  |   | PP  |   |
| (Cut-off range)  | _  | -  | +   | -  | +   | -   | +   | -   | +   |
| 0% Cut-off   | 30   | 30   | 0   | 30   | 0   | 30  | 0   | 30  | 0   |
| -50% Cut-off   | 30   | 30   | 0   | 30   | 0   | 30  | 0   | 30  | 0   |
| -25% Cut-off   | 30   | 30   | 0   | 30   | 0   | 27  | 3   | 30  | 0   |
| Cut-off  | 30   | 10   | 20  | 10   | 20  | 9   | 21  | 10  | 20  |
| +25% Cut-off   | 30   | 5  | 25  | 4  | 26  | 3   | 27  | 4   | 26  |
| +50% Cut-off   | 30   | 0  | 30  | 0  | 30  | 0   | 30  | 0   | 30  |
|  |  |  |   |  |   |   |   |   |   |
|  | n  | MD   | MA  | 6-M  | AM  | MO  | R25   | K   | 2   |
| Drug Conc.   |  |  | +   | -  | +   | -   | +   |   | +   |
| Drug Conc.<br>(Cut-off range)  |  | -  |   |  |   |   |   | -   |   |
|  | 30   | - 30   | 0   | 30   | 0   | 30  | 0   | 30  | 0   |
| (Cut-off range)<br>0% Cut-off  |  | -<br>30<br>30  | 0   | 30<br>30   | 0   | 30<br>30  | 0   | 30<br>30  |   |
| (Cut-off range)  | 30   |  | -   |  | -   |   |   |   | 0   |
| (Cut-off range)<br>0% Cut-off<br>-50% Cut-off<br>-25% Cut-off  | 30<br>30<br>30   | 30<br>25   | 0 5   | 30<br>30   | 0   | 30<br>26  | 0 4   | 30<br>26  | 0<br>0<br>4   |
| (Cut-off range)<br>0% Cut-off<br>-50% Cut-off<br>-25% Cut-off<br>Cut-off   | 30<br>30<br>30<br>30<br>30   | 30<br>25<br>14   | 0<br>5<br>16  | 30<br>30<br>15   | 0<br>0<br>15  | 30<br>26<br>13  | 0<br>4<br>17  | 30<br>26<br>10  | 0<br>0<br>4<br>20   |
| (Cut-off range)           0% Cut-off           -50% Cut-off           -25% Cut-off           Cut-off           +25% Cut-off  | 30<br>30<br>30<br>30<br>30<br>30   | 30<br>25<br>14<br>4  | 0<br>5<br>16<br>26  | 30<br>30<br>15<br>2  | 0<br>0<br>15<br>28  | 30<br>26<br>13<br>9   | 0<br>4<br>17<br>21  | 30<br>26<br>10<br>4   | 0<br>0<br>4<br>20<br>26   |
| (Cut-off range)<br>0% Cut-off<br>-50% Cut-off<br>-25% Cut-off<br>Cut-off   | 30<br>30<br>30<br>30<br>30   | 30<br>25<br>14   | 0<br>5<br>16  | 30<br>30<br>15   | 0<br>0<br>15  | 30<br>26<br>13  | 0<br>4<br>17  | 30<br>26<br>10  | 0<br>0<br>4<br>20<br>26   |
| (Cut-off range)<br>0% Cut-off<br>-50% Cut-off<br>-25% Cut-off<br>Cut-off<br>+25% Cut-off<br>+50% Cut-off<br>Drug Conc.   | 30<br>30<br>30<br>30<br>30<br>30   | 30<br>25<br>14<br>4<br>0   | 0<br>5<br>16<br>26<br>30<br>EP  | 30<br>30<br>15<br>2<br>0   | 0<br>0<br>15<br>28<br>30<br>QL  | 30<br>26<br>13<br>9   | 0<br>4<br>17<br>21<br>30  | 30<br>26<br>10<br>4   | 0<br>0<br>4<br>20<br>26<br>30   |
| (Cut-off range)<br>0% Cut-off<br>-50% Cut-off<br>Cut-off<br>+25% Cut-off<br>+50% Cut-off<br>+50% Cut-off<br>Drug Conc.<br>(Cut-off range)  | 30<br>30<br>30<br>30<br>30<br>30<br>30<br>30<br><b>n</b>   | 30<br>25<br>14<br>4<br>0   | 0<br>5<br>16<br>26<br>30<br><b>EP</b><br>+  | 30<br>30<br>15<br>2<br>0<br><b>M</b>   | 0<br>0<br>15<br>28<br>30<br>QL<br>+   | 30<br>26<br>13<br>9<br>0<br><b>MD</b>   | 0<br>4<br>17<br>21<br>30<br><b>PV</b><br>+  | 30<br>26<br>10<br>4<br>0<br>FY  | 0<br>0<br>4<br>20<br>26<br>30<br>*/L<br>+   |
| (Cut-off range)<br>0% Cut-off<br>-50% Cut-off<br>-25% Cut-off<br>+25% Cut-off<br>+50% Cut-off<br><b>Drug Conc.</b><br>(Cut-off range)<br>0% Cut-off  | 30<br>30<br>30<br>30<br>30<br>30<br>30<br>30<br>30<br>30<br>30   | 30<br>25<br>14<br>4<br>0<br><b>M</b><br>-<br>30  | 0<br>5<br>16<br>26<br>30<br><b>EP</b><br>+<br>0   | 30<br>30<br>15<br>2<br>0<br><b>M</b><br>30   | 0<br>0<br>15<br>28<br>30<br>QL<br>+<br>0  | 30<br>26<br>13<br>9<br>0<br><b>MD</b><br>-<br>30  | $ \begin{array}{r} 0 \\ 4 \\ 17 \\ 21 \\ 30 \\ \hline PV \\ + \\ 0 \\ \end{array} $   | 30<br>26<br>10<br>4<br>0<br><b>FY</b><br>-<br>30                        | 0<br>0<br>4<br>20<br>26<br>30<br>VL<br>+<br>0   |
| (Cut-off range)<br>0% Cut-off<br>-50% Cut-off<br>-25% Cut-off<br>+25% Cut-off<br>+50% Cut-off<br>Drug Conc.<br>(Cut-off range)<br>0% Cut-off<br>-50% Cut-off   | 30<br>30<br>30<br>30<br>30<br>30<br>30<br>30<br>30<br>30<br>30<br>30   | 30<br>25<br>14<br>4<br>0<br><b>M</b><br>-<br>30<br>30  | 0<br>5<br>16<br>26<br>30<br><b>EP</b><br>+<br>0<br>0  | 30<br>30<br>15<br>2<br>0<br><b>M</b><br>30<br>30   | 0<br>0<br>15<br>28<br>30<br>QL<br>+<br>0<br>0   | 30<br>26<br>13<br>9<br>0  | $ \begin{array}{r} 0 \\ 4 \\ 17 \\ 21 \\ 30 \\ \hline PV \\ + \\ 0 \\ 0 \\ \end{array} $  | 30<br>26<br>10<br>4<br>0<br><b>FY</b><br>-<br>30<br>30                  | 0<br>0<br>4<br>20<br>26<br>30<br>7<br>L<br>+<br>0<br>0  |
| (Cut-off range)<br>0% Cut-off<br>-50% Cut-off<br>-25% Cut-off<br>+25% Cut-off<br>+50% Cut-off<br><b>Drug Conc.</b><br>(Cut-off range)<br>0% Cut-off  | 30<br>30<br>30<br>30<br>30<br>30<br>30<br>30<br>30<br>30<br>30   | 30<br>25<br>14<br>4<br>0<br><b>M</b><br>-<br>30  | 0<br>5<br>16<br>26<br>30<br><b>EP</b><br>+<br>0<br>0<br>10  | 30<br>30<br>15<br>2<br>0<br><b>M</b><br>30   | 0<br>0<br>15<br>28<br>30<br>QL<br>+<br>0  | 30<br>26<br>13<br>9<br>0<br><b>ME</b><br>-<br>30<br>30<br>22  | 0<br>4<br>17<br>21<br>30<br><b>PV</b><br>+<br>0<br>0<br>8   | 30<br>26<br>10<br>4<br>0<br><b>FY</b><br>-<br>30<br>30<br>22            | 0<br>0<br>4<br>20<br>26<br>30<br>VL<br>+<br>0   |
| (Cut-off range)<br>0% Cut-off<br>-50% Cut-off<br>-25% Cut-off<br>+25% Cut-off<br>+50% Cut-off<br>Drug Conc.<br>(Cut-off range)<br>0% Cut-off<br>-50% Cut-off   | 30<br>30<br>30<br>30<br>30<br>30<br>30<br>30<br>30<br>30<br>30<br>30   | 30<br>25<br>14<br>4<br>0<br><b>M</b><br>-<br>30<br>30  | 0<br>5<br>16<br>26<br>30<br><b>EP</b><br>+<br>0<br>0  | 30<br>30<br>15<br>2<br>0<br><b>M</b><br>30<br>30   | 0<br>0<br>15<br>28<br>30<br>QL<br>+<br>0<br>0   | 30<br>26<br>13<br>9<br>0  | $ \begin{array}{r} 0 \\ 4 \\ 17 \\ 21 \\ 30 \\ \hline PV \\ + \\ 0 \\ 0 \\ \end{array} $  | 30<br>26<br>10<br>4<br>0<br><b>FY</b><br>-<br>30<br>30                  | 0<br>0<br>4<br>20<br>26<br>30<br><i>X</i> L<br>+<br>0<br>0<br>8   |
| (Cut-off range)<br>0% Cut-off<br>-50% Cut-off<br>-25% Cut-off<br>+25% Cut-off<br>+50% Cut-off<br>Drug Conc.<br>(Cut-off range)<br>0% Cut-off<br>-50% Cut-off<br>-50% Cut-off   | 30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30  | 30<br>25<br>14<br>4<br>0<br><b>M</b><br>-<br>30<br>30<br>20  | 0<br>5<br>16<br>26<br>30<br><b>EP</b><br>+<br>0<br>0<br>10  | 30<br>30<br>15<br>2<br>0<br><b>M</b><br><del>-</del><br>30<br>30<br>12   | 0<br>0<br>15<br>28<br>30<br>QL<br>+<br>0<br>0<br>18   | 30<br>26<br>13<br>9<br>0<br><b>ME</b><br>-<br>30<br>30<br>22  | 0<br>4<br>17<br>21<br>30<br><b>PV</b><br>+<br>0<br>0<br>8   | 30<br>26<br>10<br>4<br>0<br><b>FY</b><br>-<br>30<br>30<br>22            | 0<br>0<br>4<br>20<br>26<br>30<br>7<br>L<br>+<br>0<br>0<br>8<br>18   |
| (Cut-off range)<br>0% Cut-off<br>-50% Cut-off<br>Cut-off<br>+25% Cut-off<br>+50% Cut-off<br><b>Drug Conc.</b><br>(Cut-off range)<br>0% Cut-off<br>-50% Cut-off<br>-50% Cut-off<br>Cut-off<br>Cut-off   | 30             | 30<br>25<br>14<br>4<br>0<br><b>M</b><br>-<br>30<br>30<br>20<br>8   | 0<br>5<br>16<br>26<br>30<br><b>EP</b><br>+<br>0<br>0<br>10<br>22  | 30<br>30<br>15<br>2<br>0<br>-<br>30<br>30<br>30<br>12<br>14  | 0<br>0<br>15<br>28<br>30<br><b>QL</b><br>+<br>0<br>0<br>18<br>16                                      | 30<br>26<br>13<br>9<br>0<br><b>ME</b><br>-<br>30<br>30<br>22<br>10                                      | $ \begin{array}{r} 0 \\ 4 \\ 17 \\ 21 \\ 30 \\ \end{array} $  | 30<br>26<br>10<br>4<br>0<br><b>FY</b><br>-<br>30<br>30<br>22<br>12      | 0<br>0<br>4<br>20<br>26<br>30<br>7<br>4<br>20<br>26<br>30<br>7<br>4<br>7<br>0<br>0<br>8<br>8<br>18<br>28        |
| (Cut-off range)<br>0% Cut-off<br>-50% Cut-off<br>-25% Cut-off<br>+25% Cut-off<br>+50% Cut-off<br><b>Drug Conc.</b><br>(Cut-off range)<br>0% Cut-off<br>-25% Cut-off<br>Cut-off<br>Cut-off<br>+25% Cut-off  | 30            | 30<br>25<br>14<br>4<br>0<br>-<br>30<br>30<br>20<br>8<br>4  | 0<br>5<br>16<br>26<br>30<br><b>EP</b><br>+<br>0<br>0<br>10<br>22<br>26  | 30<br>30<br>15<br>2<br>0<br>-<br>30<br>30<br>12<br>14<br>9   | 0<br>0<br>15<br>28<br>30<br>QL<br>+<br>0<br>18<br>16<br>21  | 30<br>26<br>13<br>9<br>0<br><b>ME</b><br>-<br>30<br>30<br>22<br>10<br>4                                 | $\begin{array}{c} 0 \\ 4 \\ 17 \\ 21 \\ 30 \\ \end{array}$ $\begin{array}{c} PV \\ + \\ 0 \\ 0 \\ 8 \\ 20 \\ 26 \\ \end{array}$   | 30<br>26<br>10<br>4<br>0<br><b>FY</b><br>-<br>30<br>30<br>22<br>12<br>2 | 0<br>0<br>4<br>20<br>26<br>30<br>7<br>4<br>20<br>26<br>30<br>7<br>4<br>7<br>0<br>0<br>8<br>8<br>18<br>28        |
| (Cut-off range)<br>0% Cut-off<br>-50% Cut-off<br>-25% Cut-off<br>+25% Cut-off<br>+50% Cut-off<br>Drug Conc.<br>(Cut-off range)<br>0% Cut-off<br>-25% Cut-off<br>-25% Cut-off<br>-25% Cut-off<br>+50% Cut-off<br>+50% Cut-off   | 30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           Drug Col         30  | 30<br>25<br>14<br>4<br>0<br>30<br>30<br>30<br>20<br>8<br>4<br>0  | 0<br>5<br>16<br>26<br>30<br><b>EP</b><br>+<br>0<br>0<br>10<br>22<br>26  | 30<br>30<br>15<br>2<br>0<br>30<br>30<br>12<br>14<br>9<br>0<br>TC   | 0<br>0<br>15<br>28<br>30  | 30<br>26<br>13<br>9<br>0<br><b>ME</b><br>-<br>30<br>30<br>22<br>10<br>4                                 | 0<br>4<br>17<br>21<br>30<br>+<br>0<br>0<br>8<br>20<br>26<br>30<br>8<br>8<br>8   | 30<br>26<br>10<br>4<br>0<br><b>FY</b><br>-<br>30<br>30<br>22<br>12<br>2 | 0<br>0<br>4<br>20<br>26<br>30<br>7<br>4<br>20<br>26<br>30<br>7<br>4<br>7<br>0<br>0<br>8<br>8<br>18<br>28        |
| (Cut-off range)<br>0% Cut-off<br>-50% Cut-off<br>-25% Cut-off<br>+25% Cut-off<br>+50% Cut-off<br><b>Drug Conc.</b><br>(Cut-off range)<br>0% Cut-off<br>-25% Cut-off<br>-25% Cut-off<br>+25% Cut-off<br>+50% Cut-off<br>+50% Cut-off  | 30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30  | 30<br>25<br>14<br>4<br>0<br>30<br>30<br>20<br>8<br>4<br>0<br>nge)  | 0<br>5<br>16<br>26<br>30<br><b>EP</b><br>+<br>0<br>10<br>22<br>26<br>30<br><b>n</b>   | 30<br>30<br>15<br>2<br>0   | 0<br>0<br>15<br>28<br>30<br>QL<br>+<br>0<br>0<br>18<br>16<br>21<br>30<br>CA<br>+                      | 30<br>26<br>13<br>9<br>0<br>  | 0<br>4<br>17<br>21<br>30<br><b>PPV</b><br>+<br>0<br>8<br>20<br>26<br>30<br><b>RA</b><br>+   | 30<br>26<br>10<br>4<br>0<br><b>FY</b><br>-<br>30<br>30<br>22<br>12<br>2 | 0<br>0<br>4<br>200<br>266<br>300<br>VL<br>+<br>0<br>0<br>8<br>18<br>28  |
| (Cut-off range)<br>0% Cut-off<br>-50% Cut-off<br>-25% Cut-off<br>+25% Cut-off<br>+50% Cut-off<br>-50% Cut-off<br>-50% Cut-off<br>-50% Cut-off<br>Cut-off<br>+25% Cut-off<br>-25% Cut-off<br>-25% Cut-off<br>-25% Cut-off<br>-25% Cut-off<br>-25% Cut-off<br>-50% Cut-off<br>-25% Cut-off<br>-50% C | 30         30           30         < | 30<br>25<br>14<br>4<br>0<br>30<br>30<br>20<br>8<br>4<br>0<br>0<br>mc.<br>nnge)   | 0<br>5<br>16<br>26<br>30<br><b>EP</b><br>+<br>0<br>0<br>10<br>22<br>26<br>30<br><b>n</b><br>30  | 30<br>30<br>15<br>2<br>0<br>0<br>30<br>30<br>30<br>12<br>14<br>9<br>0<br>0<br><b>TO</b><br>-<br>30   | $\begin{array}{c} 0 \\ 0 \\ 15 \\ 28 \\ 30 \\ \end{array}$  | 30<br>26<br>13<br>9<br>0<br>-<br>30<br>30<br>22<br>10<br>4<br>0<br>TH<br>-<br>30                        | $\begin{array}{c} 0 \\ 4 \\ 17 \\ 21 \\ 30 \\ \end{array}$ $\begin{array}{c} PV \\ + \\ 0 \\ 0 \\ 8 \\ 20 \\ 26 \\ 30 \\ \end{array}$ $\begin{array}{c} 8 \\ 20 \\ 26 \\ 30 \\ \end{array}$   | 30<br>26<br>10<br>4<br>0<br><b>FY</b><br>-<br>30<br>30<br>22<br>12<br>2 | 0<br>0<br>4<br>20<br>26<br>30<br>7<br>4<br>20<br>26<br>30<br>7<br>4<br>7<br>0<br>0<br>8<br>8<br>18<br>28        |
| (Cut-off range)<br>0% Cut-off<br>-50% Cut-off<br>-25% Cut-off<br>+25% Cut-off<br>+50% Cut-off<br>0% Cut-off<br>-25% Cut-off<br>-25% Cut-off<br>-25% Cut-off<br>+25% Cut-off<br>+50% Cut-off<br>+50% Cut-off<br>-25% Cut-off<br>-25 | 30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30           0% Cut-ct         0% Cut-ct  | 30<br>25<br>14<br>4<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | 0<br>5<br>16<br>26<br>30<br>+<br>0<br>0<br>10<br>22<br>26<br>30<br>20<br>8<br>0<br>10<br>22<br>26<br>30<br>30<br>30                                       | 30<br>30<br>15<br>2<br>0<br>30<br>30<br>30<br>12<br>14<br>9<br>0<br>0<br><b>TC</b><br>-<br>30<br>30<br>30  | 0<br>0<br>15<br>28<br>30<br>QL<br>+<br>0<br>0<br>18<br>16<br>21<br>30<br>CA<br>+<br>0<br>0<br>0       | 30<br>26<br>13<br>9<br>0<br>0<br>   | 0<br>4<br>17<br>21<br>30<br><b>PPV</b><br>+<br>0<br>0<br>8<br>20<br>26<br>30<br>26<br>30<br><b>RA</b><br>+<br>0<br>0  | 30<br>26<br>10<br>4<br>0<br><b>FY</b><br>-<br>30<br>30<br>22<br>12<br>2 | 0<br>0<br>4<br>20<br>26<br>30<br>7<br>4<br>20<br>26<br>30<br>7<br>4<br>20<br>26<br>30<br>7<br>7<br>8<br>8<br>18 |
| (Cut-off range)<br>0% Cut-off<br>-50% Cut-off<br>-25% Cut-off<br>+25% Cut-off<br>+50% Cut-off<br>Drug Conc.<br>(Cut-off range)<br>0% Cut-off<br>-25% Cut-off<br>-25% Cut-off<br>+25% Cut-off<br>+25% Cut-off<br>+25% Cut-off<br>-25% Cut-off<br>-2 | n         30           30         30           50% Cut-ct         50% Cut-ct           50% Cut-ct         25% Cut-t  | 30<br>30<br>25<br>14<br>4<br>0<br>-<br>30<br>30<br>30<br>20<br>8<br>4<br>0<br>mc.<br>nge)<br>off<br>-off   | 0<br>5<br>16<br>26<br>30<br>+<br>0<br>0<br>10<br>22<br>26<br>30<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 30<br>30<br>15<br>2<br>0<br>0<br>30<br>30<br>30<br>12<br>14<br>9<br>0<br>0<br><b>T(</b><br>-<br>30<br>30<br>25                                   | 0<br>0<br>15<br>28<br>30<br>QL<br>+<br>0<br>0<br>18<br>16<br>21<br>30<br>CA<br>+<br>0<br>5            | 30<br>26<br>13<br>9<br>0<br>-<br>30<br>30<br>22<br>10<br>4<br>0<br>-<br>-<br>30<br>30<br>10             | $\begin{array}{c} 0 \\ 4 \\ 17 \\ 21 \\ 30 \\ \end{array}$ $\begin{array}{c} PV \\ + \\ 0 \\ 0 \\ 26 \\ \hline 30 \\ \end{array}$ $\begin{array}{c} A \\ + \\ 0 \\ 0 \\ 20 \\ \end{array}$  | 30<br>26<br>10<br>4<br>0<br><b>FY</b><br>-<br>30<br>30<br>22<br>12<br>2 | 0<br>0<br>4<br>200<br>266<br>300<br>VL<br>+<br>0<br>0<br>8<br>18<br>28  |
| (Cut-off range)<br>0% Cut-off<br>-50% Cut-off<br>-25% Cut-off<br>+25% Cut-off<br>+50% Cut-off<br>-50% Cut-off<br>-50% Cut-off<br>-50% Cut-off<br>+25% Cut-off<br>+25% Cut-off<br>+25% Cut-off<br>-50% Cut-off  | 30         30           20% Cut-ct         50% Cut-ct           50% Cut-ct         Cut-off ra  | 30<br>25<br>14<br>4<br>0<br>-<br>30<br>30<br>20<br>8<br>4<br>0<br>-<br>0<br>-<br>0<br>-<br>0<br>-<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 0<br>5<br>16<br>26<br>30<br>+<br>0<br>10<br>22<br>26<br>30<br>30<br><b>n</b><br>30<br>30<br>30<br>30  | 30<br>30<br>15<br>2<br>0<br>-<br>30<br>30<br>12<br>14<br>9<br>0<br>-<br>-<br>30<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 0<br>0<br>15<br>28<br>30<br>QL<br>+<br>0<br>0<br>18<br>16<br>21<br>30<br>CA<br>+<br>0<br>0<br>5<br>19 | 30<br>26<br>13<br>9<br>0<br>-<br>30<br>30<br>22<br>10<br>4<br>0<br>-<br>-<br>30<br>30<br>22<br>10<br>21 | $\begin{array}{c} 0 \\ 4 \\ 17 \\ 21 \\ 30 \\ \end{array}$ $\begin{array}{c} PV \\ + \\ 0 \\ 0 \\ 8 \\ 20 \\ 26 \\ 30 \\ \end{array}$ $\begin{array}{c} 8 \\ 20 \\ 26 \\ 30 \\ \end{array}$ $\begin{array}{c} 8 \\ + \\ 0 \\ 0 \\ 20 \\ 9 \\ \end{array}$ | 30<br>26<br>10<br>4<br>0<br><b>FY</b><br>-<br>30<br>30<br>22<br>12<br>2 | 0<br>0<br>4<br>20<br>26<br>30<br>7<br><b>L</b><br>0<br>0<br>8<br>8<br>18<br>28                                  |
| (Cut-off range)<br>0% Cut-off<br>-50% Cut-off<br>-25% Cut-off<br>+25% Cut-off<br>+50% Cut-off<br>+50% Cut-off<br>-50% Cut-off<br>-50% Cut-off<br>-25% Cut-off<br>+25% Cut-off<br>+25% Cut-off<br>+50% Cut-off<br>-100% Cut-off<br>-10                   | n         30           30         30           50% Cut-ct         50% Cut-ct           50% Cut-ct         25% Cut-t  | 30<br>25<br>14<br>4<br>0<br>-<br>30<br>30<br>20<br>8<br>4<br>0<br>-<br>0<br>-<br>0<br>-<br>0<br>-<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 0<br>5<br>16<br>26<br>30<br>+<br>0<br>0<br>10<br>22<br>26<br>30<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 30<br>30<br>15<br>2<br>0<br>0<br>30<br>30<br>30<br>12<br>14<br>9<br>0<br>0<br><b>T(</b><br>-<br>30<br>30<br>25                                   | 0<br>0<br>15<br>28<br>30<br>QL<br>+<br>0<br>0<br>18<br>16<br>21<br>30<br>CA<br>+<br>0<br>5            | 30<br>26<br>13<br>9<br>0<br>-<br>30<br>30<br>22<br>10<br>4<br>0<br>-<br>-<br>30<br>30<br>10             | $\begin{array}{c} 0 \\ 4 \\ 17 \\ 21 \\ 30 \\ \end{array}$ $\begin{array}{c} PV \\ + \\ 0 \\ 0 \\ 26 \\ \hline 30 \\ \end{array}$ $\begin{array}{c} A \\ + \\ 0 \\ 0 \\ 20 \\ \end{array}$  | 30<br>26<br>10<br>4<br>0<br><b>FY</b><br>-<br>30<br>30<br>22<br>12<br>2 | 0<br>0<br>4<br>20<br>20<br>30<br>7<br>1<br>8<br>8<br>18<br>28   |

+50% Cut-off 30 0 30 0 30

**B. Specificity** The following table lists the concentrations of compounds (in ng/ml) above which The Oral Screen Saliva Drug Test identified positive results at 10 minutes

| L-Amphetamine3,0003,4-Methylenedioxyamphetamine (MDA)200 $(+)-3,4-Methylenedioxyamphetamine3,4-Methylenedioxyethylamphetamine50Phentermine30,000Paramethoxyamphetamine (PMA)1,200PMA100Paramethoxyamphetamine (PMA)1,200PMA100Paramethoxyamphetamine (PMA)1,200Tyramine2,500Estays 50-Related CompoundsAmphetamine 50-Related Compounds3,4-Methylenedioxyamphetamine (MDA)250D-Amphetamine4,000(MDEA)60(+)-3,4-Methylenedioxyamphetamine (MDA)150160Phentermine4,000Paramethoxyamphetamine (PMA)1,600Phentermine40,000Paramethoxyamphetamine (PMA)1,600Phentermine40,0003,4-Methylenedioxyprovalence50Barbiturate 50-Related CompoundsJoson3,64-Methylenedioxyprovalence50Barbiturate (BAR)3003,4-Methylenedioxyprovalence50Barbiturate (BAR)50Provalerone>100,0Anobarbital100Fenfluramine40Anobarbital100Fenfluramine40Anobarbital100Fenfluramine40Butabarbital150L-Methamphetamine40Cycloparbital30L-Methamphetamine40Butabarbital60Methamphetamine50Butabarbital60Methamphetamine50Burdenorphine-3-β-D-Fenfluramine50Burgenorphine-3-β-D-Fenfluramine50$  | Amphetamine 40-Related Compo           | unds   | Ecstasy 40-Related Compounds         | 1            |
|--|--|--------|--------------------------------------|--------------|
|  | D-Amphetamine                          | 40     |                                      | 40           |
| ne (MDA)120(MDEA)50Phentermine30,000Paramethoxyamphetamine (PMA)1,200PMA100Paramethoxyamphetamine (PMA)120Tyramine2,500Extasy 50-Related CompoundsAmphetamine 50-Related Compounds3,4-Methylenedioxyamphetamine (MDA)50D-Amphetamine503,4-Methylenedioxyamphetamine (MDA)50D-Amphetamine4,0003,4-Methylenedioxyamphetamine (MDA)160L-Amphetamine4,000Paramethoxyamphetamine (PMA)1,600Phentermine40,000Paramethoxyamphetamine (PMA)1,600PMA125MDFV 50-Related Compounds50Barbiturate 50-Related CompountsDesmethyl provalerone HCI3000Barbiturate 50-Related CompountsDesmethyl provalerone HCI3000Barbiturate (BAR)50Provalerone>100Alphenal100D-Methamphetamine40Amobarbital100Fenfluramine40Ambarbital100Genfluramine40Butabarbital15L-Phenylephrine2,000Butabarbital150Procaine2,000Butenhal3003,4-Methylenedioxymethamphetamine60Cyclopentobarbital60Mephetermine40Buprenorphine-5-RelatedFenfluramine40Buprenorphine-5-RelatedMDEA50Buprenorphine-5-RelatedFenfluramine50Buprenorphine-5-RelatedMDEA50Buprenorphine-5-RelatedFenfluramine  | L-Amphetamine                          | 3,000  | 3,4-Methylenedioxyamphetamine (MDA)  | 200          |
| Phentermine $30,000$ Paramethoxyamphetamine (PMA) $1,200$ PMA100Paramethoxymethamphetamine(PMAA) $1200$ Tyramine $2,500$ Ecstasy 50-Related CompoundsAmphetamine 50-Related Compounds $3,4$ -Methylenedioxymethamphetamine (MDA) $500$ D-Amphetamine $500$ $3,4$ -Methylenedioxymphetamine (MDA) $500$ D-Amphetamine $4,000$ $3,4$ -Methylenedioxymphetamine (MDA) $600$ (MDEA) $3,4$ -Methylenedioxymphetamine (MDA) $1600$ Phentermine $4,000$ Paramethoxyamphetamine (PMA) $1,600$ Phentermine $40,000$ Paramethoxymethamphetamine(PMMA) $1600$ PMA $125$ MDPV 50-Related Compounds $500$ PMA $125$ MDPV 50-Related Compounds $5000$ Barbiturate $50$ -Related Compounds $9000$ $90000$ Barbiturate $(BAR)$ $50$ Pyrovalerone $5100,000$ Barbiturate $(BAR)$ $50$ Desmethyl Pyrovalerone HCI $3000$ Alphenal $100$ D-Methamphetamine $400$ Anobarbital $100$ D-Methamphetamine $400$ Butabarbital $150$ L-Methylenedioxymethamphetamine $600$ Butabarbital $150$ Phocaine $2,000$ Burenorphine $5$ D-Methamphetamine $50$ Burenorphine $5$ D-Methamphetamine $50$ Burenorphine $5$ D-Methamphetamine $500$ Burenorphine $5$ D-Methamphetamine $500$ Burenorphine $5$ D-Methamphetamine $500$ Burenorp   | (+)-3,4-Methylenedioxyamphetami        |        | 3,4-Methylenedioxyethylamphetamine   |              |
| Animetical DepositionDescription <th< td=""><td>ne (MDA)</td><td>120</td><td>(MDEA)</td><td>50</td></th<>   | ne (MDA)                               | 120    | (MDEA)                               | 50           |
| Number<br>Tyramine100Ecstasy 50-Related CompoundsAmphetamine 50-Related Compounds $3,4$ -Methylenedioxymethamphetamine(MDA)<br>A) $50$ D-Amphetamine $50$ $3,4$ -Methylenedioxyamphetamine (MDA) $250$ 1Amphetamine $4,000$ $3,4$ -Methylenedioxyethylamphetamine (MDA) $60$ (H) 2,3,4-Methylenedioxyamphetamine $40,000$ Paramethoxymethamphetamine (PMA) $160$ Phanetermine $40,000$ Paramethoxymethamphetamine(PMAA) $160$ PMA125MDPV 50-Related Compounds $50$ Tyramine $3,000$ $3,4$ -Methylenedioxypyrovalerone $50$ Barbiturate 50-Related CompountsDesmethyl Pyrovalerone HCI $3000$ Barbiturate (BAR) $50$ Pyrovalerone $100,0$ Anlobarbital $100$ D-Methamphetamine $40$ Ambarbital $100$ D-Methamphetamine $40$ Amobarbital $100$ D-Methamphetamine $40$ Butabritial $100$ Fenfluramine $40$ Amobarbital $30$ L-Methamphetamine $40$ Butabritial $15$ L-Phenylephrine $2,000$ Butabritial $300$ Procaine $2,000$ Butenhal $50$ Methamphetamine $50$ Burenorphine $5$ D-Methamphetamine $50$ Burenorphine $5$ D-Methamphetamine $50$ Butabritial $150$ PMMA $40$ Phenobarbital $50$ D-Methamphetamine $50$ Burenorphine $5$ D-Methamphetamine $50$   | Phentermine                            | 30,000 | Paramethoxyamphetamine (PMA)         | 1,200        |
| Amphetamine50-Related Compounds3,4-Methylenedioxymethamphetamine(MDM<br>A)50D-Amphetamine503,4-Methylenedioxyamphetamine (MDA)250L-Amphetamine4,0003,4-Methylenedioxyamphetamine (MDA)60(+)-3,4-Methylenedioxyamphetamine(MDEA)60(+)-3,4-MethylenedioxyamphetamineParamethoxyamphetamine (PMA)160Phentermine40,000Paramethoxymethamphetamine(PMAA)160PMA125MDPV 50-Related Compounds50Tyramine3,0003,4-Methylenedioxypyrovalerone50Barbiturate 50-Related CompountsDesmethyl Pyrovalerone HCI3000Barbiturate (BAR)50Pyrovalerone100,0Albhenal100D-Methamphetamine40Amobarbital100Fenfluramine40Amobarbital100Fenfluramine40Aprobarbital100Methamphetamine40Butabarbital15L-Phenylephrine2,000Butabarbital30S-Methamphetamine40Penobarbital60Mphenal50Butethal300Procaine2,000Butethal50D-Methamphetamine50Burenorphine5D-Methamphetamine50Burenorphine5D-Methamphetamine50Burenorphine150PMMA40Phenobarbital300Procaine2,000Burenorphine5D-Methamphetamine50Burenorphine5D-Methamphetamine <td>PMA</td> <td>100</td> <td>Paramethoxymethamphetamine(PMMA)</td> <td>120</td>  | PMA                                    | 100    | Paramethoxymethamphetamine(PMMA)     | 120          |
| A)S0D-Amphetamine503,4-Methylenedioxyamphetamine (MDA)250L-Amphetamine4,0003,4-Methylenedioxyamphetamine (MDA)250L-Amphetamine4,0003,4-Methylenedioxyethylamphetamine (PMA)1,600Paramethoxyamphetamine (PMA)1,6001501,600Phentermine40,000Paramethoxymethamphetamine(PMAA)1,600PMA125MDPV 50-Related Compounds50Barbiturate 50-Related CompountsDesmethyl Pyrovalerone50Barbiturate (BAR)50Provalerone2100,0Allobarbital100Penfuramine40Amobarbital100Fenfuramine40Amobarbital100Fenfuramine400Butabarbital15L-Phenylephrine2,000Butabarbital15L-Phenylephrine2,000Butabarbital303,4-Methylenedioxymethamphetamine40Opentobarbital303,4-Methylenedioxymethamphetamine40Butabarbital15L-Phenylephrine2,000Butethal303,4-Methylenedioxymethamphetamine40Cyclopentobarbital60Mephentermine50BurenorphineS-Related50Procaine2,000Burenorphine50D-Methamphetamine50Buprenorphine50Procaine2,000Buprenorphine50D-Methamphetamine50Buprenorphine50D-Methamphetamine50Buprenorphine50D-Methamphetamine   | Tyramine                               | 2,500  | Ecstasy 50-Related Compounds         |              |
| L-Amphetamine3,4-Methylenedioxyethylamphetamine60(H)-3,4-MethylenedioxyamphetaminParamethoxyamphetamine (PMA)1,600Phenetrmine40,000Paramethoxymethamphetamine(PMA)160PMA125MDPV 50-Related Compounds50Tyramine3,0003,4-Methylenedioxypyrovalerone50Barbiturate 50-Related CompoundsDesmethyl Pyrovalerone HCI3000Barbiturate (BAR)50Pyrovalerone>100,0Allobarbital200Methamphetamine40Alphenal100D-Methamphetamine40Amobarbital100Fenfluramine2,500Aprobarbital30L-Methamphetamine400Butabarbital15L-Phenylephrine2,000Butabarbital30Methamphetamine60Cyclopentobarbital30Mephentermine150Butethal300Procaine2,000Butethal300Procaine2,000Butenbrital5D-Methamphetamine60Cyclopentobarbital300Procaine2,000Buprenorphine5 -RelatedMethamphetamine50Buprenorphine55D-Methamphetamine50Buprenorphine5D-Methamphetamine50Buprenorphine10L-Phenylephrine2,500Norbuperonphine10L-Phenylephrine50Buprenorphine5D-Methamphetamine50Buprenorphine5L-Methamphetamine50Buprenorphine </td <td>Amphetamine 50-Related Compo</td> <td>unds</td> <td></td> <td>50</td>  | Amphetamine 50-Related Compo           | unds   |                                      | 50           |
| L-Amphetamine3,4-Methylenedioxyethylamphetamine60(H)-3,4-MethylenedioxyamphetaminParamethoxyamphetamine (PMA)1,600Phenetrmine40,000Paramethoxymethamphetamine(PMA)160PMA125MDPV 50-Related Compounds50Tyramine3,0003,4-Methylenedioxypyrovalerone50Barbiturate 50-Related CompoundsDesmethyl Pyrovalerone HCI3000Barbiturate (BAR)50Pyrovalerone>100,0Allobarbital200Methamphetamine40Alphenal100D-Methamphetamine40Amobarbital100Fenfluramine2,500Aprobarbital30L-Methamphetamine400Butabarbital15L-Phenylephrine2,000Butabarbital30Methamphetamine60Cyclopentobarbital30Mephentermine150Butethal300Procaine2,000Butethal300Procaine2,000Butenbrital5D-Methamphetamine60Cyclopentobarbital300Procaine2,000Buprenorphine5 -RelatedMethamphetamine50Buprenorphine55D-Methamphetamine50Buprenorphine5D-Methamphetamine50Buprenorphine10L-Phenylephrine2,500Norbuperonphine10L-Phenylephrine50Buprenorphine5D-Methamphetamine50Buprenorphine5L-Methamphetamine50Buprenorphine </td <td>D-Amphetamine</td> <td>50</td> <td>3,4-Methylenedioxyamphetamine (MDA)</td> <td>250</td>   | D-Amphetamine                          | 50     | 3,4-Methylenedioxyamphetamine (MDA)  | 250          |
| ne (MDA)1501,600Phentermine $40,000$ Paramethoxymethamphetamine(PMMA)160PMA125MDPV 50-Related Compounds50Barbiturate 50-Related CompoundsDesmethyl Pyrovalerone HCI3000Barbiturate (BAR)50Pyrovalerone7100,00Allobarbital200Methamphetamine 40-Related Compounds0Alphenal100D-Methamphetamine40Anobarbital100Fenfluramine2,500Ayrobarbital30L-Methamphetamine400Butabarbital15L-Phenylephrine2,000Butabarbital15L-Phenylephrine2,000Butabarbital60MDEA300Butethal30Procaine2,000Butethal300Procaine2,000Butethal50D-Methamphetamine60Cyclopentobarbital60Mephentermine150Pentobarbital300Procaine2,000Burenorphine5 -Related50D-Methamphetamine50Buprenorphine5 -Related50D-Methamphetamine50Buprenorphine10Fenfluramine50Buprenorphine3-PD-05L-Methamphetamine50Buprenorphine3-B-D-06MDEA400Norbuprenorphine-3- $\beta$ -D-077Glucuronide10L-Phenylephrine2,500Norbuprenorphine-3- $\beta$ -D-077Glucuronide10L-Phenylephrine2,500Norbupreno  | L-Amphetamine                          | 4,000  | 3,4-Methylenedioxyethylamphetamine   | 60           |
| Phentermine $40,000$ Paramethoxymethamphetamine(PMMA)         160           PMA         125         MDPV 50-Related Compounds         50           Barbiturate 50-Related Compounds         3,000         3,4-Methylenedioxypyrovalerone         50           Barbiturate 50-Related Compounds         50         Pyrovalerone         >100,0           Barbiturate (BAR)         50         Pyrovalerone         >100,0           Allobarbital         200         Methamphetamine 40-Related Compounds         40           Almobarbital         100         Fenfluramine         40           Amobarbital         100         Fenfluramine         2,500           Aprobarbital         30         L-Methamphetamine         40           Butabarbital         15         L-Phenylephrine         2,000           Butabarbital         60         MEA         MoEA         300           Cyclopentobarbital         60         Mephentermine         150         50           Burtenorphine5-Related         70         Procaine         2,000           Burtenorphine5-Related         70         Procaine         50           Buprenorphine5-Related         70         Fenfluramine         50           Buprenorphine3-Ap-D- <td>(+)-3,4-Methylenedioxyamphetami</td> <td></td> <td>Paramethoxyamphetamine (PMA)</td> <td></td>  | (+)-3,4-Methylenedioxyamphetami        |        | Paramethoxyamphetamine (PMA)         |              |
| Induction100100100PMA125MDPV 50-Related CompoundsTyramine3,0003,4-Methylenedioxypyrovalerone50Barbiturate 50-Related CompoundsDesmethyl Pyrovalerone HCI3000Barbiturate (BAR)50Pyrovalerone>100,0Barbiturate (BAR)200Methamphetamine 40-Related CompoundsAllobarbital200Methamphetamine40Amobarbital100Fenfluramine2,500Aprobarbital100Fenfluramine2,000Butabarbital15L-Methamphetamine400Butabarbital15L-Phenylephrine2,000Butethal30MDEA300Butethal30Procaine2,000Butethal300Procaine2,000Butethal300Procaine2,000Butenbrital150PMMA40Pentobarbital300Procaine2,000Buprenorphine5 -RelatedMethamphetamine 50-Related Compounds50Buprenorphine5 -RelatedS0S0S0Buprenorphine5D-Methamphetamine50Buprenorphine10Fenfluramine3,000Buprenorphine10Fenfluramine3,000Buprenorphine10L-Methamphetamine50Norbuprenorphine10L-Methamphetamine50Norbuprenorphine10L-Methamphetamine50Norbuprenorphine10L-Methamphetamine50Norbuprenorphi  | ne (MDA)                               | 150    |                                      | 1,600        |
| InitialInitialSolutionTyramine $3,000$ $3,4$ -Methylenedioxypyrovalerone $50$ Barbiturate 50-Related CompoundsDesmethyl Pyrovalerone HCI $3000$ Barbiturate (BAR) $50$ Pyrovalerone $>100,0$ Allobarbital $200$ Methamphetamine 40-Related Compounds $40$ Alphenal $100$ D-Methamphetamine $40$ Amobarbital $100$ Fenfluramine $2,500$ Aprobarbital $30$ L-Methamphetamine $400$ Butabarbital $15$ L-Phenylephrine $2,000$ Butethal $30$ $3,4$ -Methylenedioxymethamphetamine $60$ Cyclopentobarbital $60$ Mephentermine $150$ Pentobarbital $50$ PMMA $40$ Phenobarbital $300$ Procaine $2,000$ Buprenorphine $5$ D-Methamphetamine $50$ Buprenorphine $5$ D-Methamphetamine $50$ Buprenorphine $5$ D-Methamphetamine $50$ Buprenorphine $5$ D-Methamphetamine $50$ Buprenorphine $10$ Fenfluramine $50$ Norbuprenorphine $10$ L-Phenylephrine $2,500$ Norbu  | Phentermine                            | 40,000 | Paramethoxymethamphetamine(PMMA)     | 160          |
| Training1000Description3000Barbiturate 50-Related CompoundsDescription $>100,0$ Barbiturate (BAR)50Pyrovalerone $>100,0$ Allobarbital200Methamphetamine 40-Related Compounds $>100,0$ Alphenal100D-Methamphetamine40Amobarbital100Fenfluramine $2,500$ Aprobarbital30L-Methamphetamine400Butabarbital15L-Phenylephrine $2,000$ Butabarbital15L-Phenylephrine $2,000$ Butabarbital303,4-Methylenedioxymethamphetamine<br>(MDMA) $60$ Cyclopentobarbital60Mephentermine $150$ Pentobarbital150PMMA $40$ Phenobarbital300Procaine $2,000$ Buprenorphine5 - Related<br>CompoundsD-Methamphetamine $50$ Buprenorphine5D-Methamphetamine $50$ Buprenorphine10Fenfluramine $50$ Buprenorphine10L-Phenylephrine $500$ Norbuprenorphine10L-Phenylephrine $2,500$ Norbuprenorphine10L-Phenylephrine $500$ Norbuprenorphine200MDEA400Benzodiazepine 10-Related<br>Compounds $3,4-Methylenedioxymethamphetamine500Norbuprenorphine10L-Phenylephrine2,500Norbuprenorphine10L-Phenylephrine2,500Norbuprenorphine10L-Phenylephrine2,500Norbuprenorphi$  | PMA                                    | 125    | MDPV 50-Related Compounds            |              |
| Barbiturate (BAR)50Pyrovalerone5100,0<br>0Barbiturate (BAR)50Pyrovalerone5100,0<br>0Allobarbital200Methamphetamine 40-Related CompoundsAlphenal100Fenfluramine2,500Amobarbital100Fenfluramine2,500Aprobarbital30L-Methamphetamine400Butabarbital15L-Phenylephrine2,000Butabarbital400MDEA300Butethal303,4-Methylenedioxymethamphetamine<br>(MDMA)60Cyclopentobarbital60Mephentermine150Pentobarbital300Procaine2,000Buprenorphine5 - Related<br>CompoundsMethamphetamine 50-Related Compounds50Buprenorphine5D-Methamphetamine<br>(MDMA)50Buprenorphine10Fenfluramine500Norbuprenorphine10L-Methamphetamine<br>(MDMA)500Norbuprenorphine10L-Methamphetamine500Norbuprenorphine10L-Methamphetamine500Norbuprenorphine10L-Methamphetamine500Norbuprenorphine10L-Methamphetamine500Norbuprenorphine10L-Methamphetamine500Norbuprenorphine10L-Methamphetamine500Norbuprenorphine10L-Methamphetamine500Norbuprenorphine10L-Methamphetamine2,500Norbuprenorphine10L-Methamphetamine2,500Norbuprenorphin  | Tyramine                               | 3,000  | 3,4-Methylenedioxypyrovalerone       | 50           |
| Barbiturate (BAR)50Image: Constraint of the second | Barbiturate 50-Related Compoun         | ds     | Desmethyl Pyrovalerone HCI           | 3000         |
| Alphenal100D-Methamphetamine40Alphenal100Fenfluramine2,500Amobarbital100Fenfluramine2,500Aprobarbital30L-Methamphetamine400Butabarbital15L-Phenylephrine2,000Butabarbital400MDEA300Butethal303,4-Methylenedioxymethamphetamine<br>(MDMA)60Cyclopentobarbital60Mephentermine150Pentobarbital150PMMA40Phenobarbital300Procaine2,000Buprenorphine5-RelatedMethamphetamine<br>50500Buprenorphine5D-Methamphetamine50Buprenorphine10Fenfluramine500Buprenorphine10L-Methamphetamine500Norbuprenorphine10L-Methamphetamine500Norbuprenorphine200MDEA400Benzodiazepine 10-Related200MDEA400Benzodiazepine 10-Related200MDEA400Alprazolam10Mephentermine200Alprazolam10Mephentermine200  | Barbiturate (BAR)                      | 50     | Pyrovalerone                         | >100,00<br>0 |
| A mobarbital100Fenfluramine10Amobarbital100Fenfluramine2,500Aprobarbital30L-Methamphetamine400Butabarbital15L-Phenylephrine2,000Butalbital400MDEA300Butethal30 $3,4$ -Methylenedioxymethamphetamine<br>(MDMA)60Cyclopentobarbital60Mephentermine150Pentobarbital150PMMA40Phenobarbital150PMMA40Buprenorphine5 - Related<br>Compounds2,000Methamphetamine 50-Related CompoundsBuprenorphine5D-Methamphetamine50Buprenorphine10Fenfluramine50Buprenorphine10Fenfluramine50Norbuprenorphine10L-Methamphetamine50Norbuprenorphine10L-Methamphetamine500Norbuprenorphine10L-Methamphetamine500Norbuprenorphine10L-Methamphetamine500Norbuprenorphine10L-Methamphetamine500Norbuprenorphine10L-Methamphetamine500Norbuprenorphine10L-Methamphetamine500Norbuprenorphine10L-Methamphetamine2,000Benzodiazepine 10-Related3,4-Methylenedioxymethamphetamine600Compounds10MDEA400Benzodiazepine 10-Related2,000MDEA400Alprazolam10Mephentermine200  | Allobarbital                           | 200    | Methamphetamine 40-Related Compounds |              |
| Amobarbital100Fenfluramine2,500Aprobarbital30L-Methamphetamine400Butabarbital15L-Phenylephrine2,000Butabarbital400MDEA300Butethal30 $3,4$ -Methylenedioxymethamphetamine<br>(MDMA)60Cyclopentobarbital60Mephentermine150Pentobarbital150PMMA40Pentobarbital300Procaine2,000Buprenorphine5 - Related<br>CompoundsMethamphetamine 50-Related Compounds50Buprenorphine5D-Methamphetamine50Buprenorphine5L-Methamphetamine50Buprenorphine10Fenfluramine50Buprenorphine10L-Methamphetamine50Buprenorphine200MDEA400Buprenorphine10L-Methamphetamine50Buprenorphine10L-Methamphetamine50Buprenorphine10L-Methamphetamine50Rucuronide5L-Methamphetamine500Norbuprenorphine200MDEA400Benzodiazepine 10-Related<br>Compounds3,4-Methylenedioxymethamphetamine<br>(MDMA)75Oxacepam10Mephentermine200Alprazolam15PMMA50   | Alphenal                               | 100    | D-Methamphetamine                    | 40           |
| Aprobarbital30L-Methamphetamine400Butabarbital15L-Phenylephrine2,000Butabarbital400MDEA300Butethal30 $3,4$ -Methylenedioxymethamphetamine<br>(MDMA)60Cyclopentobarbital60Mephentermine150Pentobarbital150PMMA40Phenobarbital300Procaine2,000Buprenorphine5 -Related<br>CompoundsMethamphetamine 50-Related Compounds50Buprenorphine5D-Methamphetamine50Buprenorphine10Fenfluramine500Buprenorphine5L-Methamphetamine500Norbupenorphine10L-Methamphetamine500Norbupenorphine10L-Methamphetamine500Norbupenorphine10L-Methamphetamine500Norbupenorphine10L-Methamphetamine500Norbupenorphine10L-Methamphetamine500Norbupenorphine10L-Methamphetamine500Norbupenorphine10L-Methamphetamine500Norbupenorphine10L-Methamphetamine2,500Norbupenorphine200MDEA400Benzodiazepine 10-Related3,4-Methylenedioxymethamphetamine200MDEA10Mephentermine200Alprazolam10Mephentermine200  | Amobarbital                            | 100    |                                      | 2,500        |
| Butabarbital       15       L-Phenylephrine       2,000         Butabital       400       MDEA       300         Butethal       30 $3$ ,4-Methylenedioxymethamphetamine<br>(MDMA)       60         Cyclopentobarbital       60       Mephentermine       150         Pentobarbital       150       PMMA       40         Phenobarbital       300       Procaine       2,000         Buprenorphine5 - Related       Methamphetamine 50-Related Compounds       2,000         Buprenorphine       5       D-Methamphetamine       50         Buprenorphine       10       Fenfluramine       500         Norbuprenorphine-3- $\beta$ -D-       L-Methamphetamine       500         Norbuprenorphine       10       L-Phenylephrine       2,500         Norbuprenorphine       200       MDEA       400         Benzodiazepine 10-Related       3,4-Methylenedioxymethamphetamine<br>(MDMA)       75         Oxacepam       10       Mephentermine       200         Alprazolam       15       PMMA       400   | Aprobarbital                           | 30     |                                      | 400          |
| Butalbital       400       MDEA       300         Butethal       30 $3,4$ -Methylenedioxymethamphetamine<br>(MDMA)       60         Cyclopentobarbital       60       Mephentermine       150         Pentobarbital       150       PMMA       40         Phenobarbital       300       Procaine       2,000         Buprenorphine5 - Related       Methamphetamine 50-Related Compounds       2,000         Buprenorphine       5       D-Methamphetamine       50         Buprenorphine Glucuronide       10       Fenfluramine       3,000         Buprenorphine-3- $\beta$ -D-       L-Methamphetamine       500         Norbuprenorphine       10       L-Phenylephrine       2,500         Norbuprenorphine-3- $\beta$ -D-       MDEA       400       400         Benzodiazepine 10-Related       3,4-Methylenedioxymethamphetamine       500         Oxacepam       10       MDEA       400         Alprazolam       10       Mephentermine       200   | Butabarbital                           | 15     |                                      | 2 000        |
| Butethal303.4-Methylenedioxymethamphetamine<br>(MDMA)500Butethal303.4-Methylenedioxymethamphetamine<br>(MDMA)60Cyclopentobarbital60Mephentermine150Pentobarbital150PMMA40Phenobarbital300Procaine2,000Buprenorphine5 - Related<br>CompoundsMethamphetamine 50-Related Compounds2,000Buprenorphine5D-Methamphetamine50Buprenorphine10Fenfluramine3,000Buprenorphine-3- $\beta$ -D-<br>Glucuronide10L-Methamphetamine500Norbuprenorphine-3- $\beta$ -D-<br>Glucuronide10L-Phenylephrine2,500Norbuprenorphine10L-Phenylephrine2,500Norbuprenorphine10L-Phenylephrine2,500Norbuprenorphine10MDEA400Benzodiazepine 10-Related<br>Compounds3,4-Methylenedioxymethamphetamine<br>(MDMA)75Oxacepam10Mephentermine200Alprazolam15PMMA50   | Butalbital                             | 400    |                                      | 1            |
| Cyclopentobarbital       60       Mephentermine       150         Pentobarbital       150       PMMA       40         Phenobarbital       300       Procaine       2,000         Buprenorphine5 - Related       Methamphetamine 50-Related Compounds       2,000         Buprenorphine       5       D-Methamphetamine       50         Buprenorphine Glucuronide       10       Fenfluramine       3,000         Buprenorphine-3- $\beta$ -D-       L-Methamphetamine       500         Norbuprenorphine       10       L-Phenylephrine       2,500         Norbuprenorphine-3- $\beta$ -D-       MDEA       400         Benzodiazepine 10-Related       3,4-Methylenedioxymethamphetamine       400         Benzodiazepine 10-Related       3,4-Methylenedioxymethamphetamine       200         Alprazolam       15       PMMA       50  | Butethal                               |        | 3,4-Methylenedioxymethamphetamine    |              |
| Pentobarbital     150     PMMA     40       Phenobarbital     300     Procaine     2,000       Buprenorphine5 -Related     Methamphetamine 50-Related Compounds     2,000       Buprenorphine     5     D-Methamphetamine     50       Buprenorphine Glucuronide     10     Fenfluramine     3,000       Buprenorphine-3-β-D-     5     L-Methamphetamine     500       Robust Glucuronide     10     L-Methamphetamine     500       Norbuprenorphine     10     L-Phenylephrine     2,500       Norbuprenorphine-3-β-D-     6     MDEA     400       Benzodiazepine 10-Related     3,4-Methylenedioxymethamphetamine     75       Oxacepam     10     Mephentermine     200       Alprazolam     15     MMA     50   | Cyclopentobarbital                     | 60     | Mephentermine                        | 150          |
| Phenobarbital $300$ Procaine $2,000$ Buprenorphine5 -Related       Methamphetamine 50-Related Compounds         Compounds $50$ D-Methamphetamine $50$ Buprenorphine $10$ Fenfluramine $3,000$ Buprenorphine-3- $\beta$ -D- $L$ -Methamphetamine $500$ Norbuprenorphine $10$ L-Methamphetamine $500$ Norbuprenorphine $10$ L-Phenylephrine $2,500$ Norbuprenorphine-3- $\beta$ -D- $MDEA$ $400$ $3$ ,4-Methylenedioxymethamphetamine         Compounds $10$ Methemphetamine $200$ Altrazolam $10$ Methemphetamine $200$   | Pentobarbital                          | 150    |                                      |              |
| Buprenorphine5 -Related       Methamphetamine 50-Related Compounds         Buprenorphine       5       D-Methamphetamine       50         Buprenorphine Glucuronide       10       Fenfluramine       3,000         Buprenorphine Glucuronide       10       Fenfluramine       3,000         Buprenorphine-3- $\beta$ -D-       Image: Compound S       Image: Compound S       50         Norbuprenorphine       10       Image: Compound S       500         Norbuprenorphine-3- $\beta$ -D-       Image: Compound S       500         Renzodiazepine 10-Related       200       MDEA       400         Benzodiazepine 10-Related       3,4-Methylenedioxymethamphetamine       75         Oxacepam       10       Mephentermine       200         Alprazolam       15       PMMA       50  | Phenobarbital                          | 300    |                                      |              |
| Buprenorphine     5     D-Methamphetamine     50       Buprenorphine Glucuronide     10     Fenfluramine     3,000       Buprenorphine-3-β-D-     Glucuronide     5     L-Methamphetamine     500       Norbuprenorphine     10     L-Phenylephrine     2,500       Norbuprenorphine-3-β-D-     Glucuronide     200     MDEA     400       Benzodiazepine 10-Related     3,4-Methylenedioxymethamphetamine     75       Compounds     10     Mephentermine     200       Alprazolam     15     PMMA     50   | Buprenorphine5 -Related                | 500    |                                      | 2,000        |
| Buprenorphine Glucuronide       10       Fenfluramine       3,000         Buprenorphine-3- $\beta$ -D-       L-Methamphetamine       500         Rorburgenorphine       10       L-Phenylephrine       2,500         Norbuprenorphine-3- $\beta$ -D-       MDEA       400         Benzodiazepine 10-Related       3,4-Methylenedioxymethamphetamine       75         Compounds       10       Mephentermine       200         Alprazolam       15       PMMA       50  | Buprenorphine                          | 5      | D-Methamphetamine                    | 50           |
| Buprenorphine–3–β–D–     L-Methamphetamine     500       Glucuronide     5     L-Methamphetamine     500       Norbuprenorphine     10     L-Phenylephrine     2,500       Norbuprenorphine–3–β–D–     MDEA     400       Benzodiazepine 10-Related     3,4-Methylenedioxymethamphetamine<br>(MDMA)     75       Oxacepam     10     Mephentermine     200       Alprazolam     15     PMMA     50   | * *                                    |        | *                                    |              |
| Glucuronide     5     L-Methamphetamine     500       Norbuprenorphine     10     L-Phenylephrine     2,500       Norbuprenorphine-3-β-D-     MDEA     400       Glucuronide     200     MDEA     400       Benzodiazepine 10-Related     3,4-Methylenedioxymethamphetamine<br>(MDMA)     75       Oxacepam     10     Mephentermine     200       Alprazolam     15     PMMA     50   | Buprenorphine-3-β-D-                   |        |                                      | 5,000        |
| Norbuprenorphine–3–β–D–     200     MDEA     400       Glucuronide     200     MDEA     400       Benzodiazepine 10-Related     3,4-Methylenedioxymethamphetamine<br>(MDMA)     75       Oxacepam     10     Mephentermine     200       Alprazolam     15     PMMA     50   | Glucuronide                            | 5      | L-Methamphetamine                    | 500          |
| Glucuronide     200     MDEA     400       Benzodiazepine 10-Related     3,4-Methylenedioxymethamphetamine<br>(MDMA)     75       Oxacepam     10     Mephentermine     200       Alprazolam     15     PMMA     50  | Norbuprenorphine                       | 10     | L-Phenylephrine                      | 2,500        |
| Benzodiazepine 10-Related<br>Compounds     3,4-Methylenedioxymethamphetamine<br>(MDMA)     75       Oxacepam     10     Mephentermine     200       Alprazolam     15     PMMA     5   | Norbuprenorphine-3                     |        |                                      |              |
| Compounds     (MDMA)     75       Oxacepam     10     Mephentermine     200       Alprazolam     15     PMMA     50  | Glucuronide                            | 200    |                                      | 400          |
| Alprazolam 15 PMMA 50  | Benzodiazepine 10-Related<br>Compounds |        |                                      | 75           |
|  | Oxacepam                               | 10     | Mephentermine                        | 200          |
| Bromazepam 8 Procaine 2 500  | Alprazolam                             | 15     | РММА                                 | 50           |
|  | Bromazepam                             | 8      | Procaine                             | 2,500        |

| Chlordiazepoxide             | 10      | MEP 100-Related Compounds                                   |        |
|------------------------------|---------|---|--------|
| Clonazepam                   | 40      | Mephedrone  | 100    |
| Clorazepate                  | 20      | MQL -Related Compounds                                      |        |
| Clbazam                      | 6       | Methaqualone  | 30     |
| Diazepam                     | 15      | Methadone 30 -Related Compounds                             |        |
| Estazolam                    | 10      | Methadone   | 30     |
| Desalkyflurazepam            | 8       | Alpha-Methadol  | 125    |
| Flunitrazepam                | 10      | Biperiden   | 80,000 |
| Flurazepam                   | 10      | Doxylamine  | 12,500 |
| Lorazepam                    | 20      | 2-Ethylidene-1,5-dimethyl-3,3-diphenylpyroli<br>dine (EDDP) | 10,000 |
| Medazepam                    | 10      | Phencyclidine   | 12,500 |
| Nitrazepam                   | 10      | Pheniramine   | 25,000 |
| Nordiazepam                  | 6       | Methadone 50 -Related Compounds                             |        |
| Prazepam                     | 20      | Methadone   | 50     |
| Temazepam                    | 8       | Alpha-Methadol  | 200    |
| Triazola                     | 15      | Biperiden   | 100,00 |
| Benzodiazepine 50-Related    |         |   |        |
| Compounds                    |         | Doxylamine  | 20,000 |
| Oxacepam                     | 50      | 2-Ethylidene-1,5-dimethyl-3,3-diphenylpyroli<br>dine (EDDP) | 15,000 |
| Alprazolam                   | 75      | Phencyclidine   | 20,000 |
| Bromazepam                   | 40      | Pheniramine   |        |
| Chlordiazepoxide             | 50      | Opiates25 -Related Compounds                                |        |
| Clonazepam                   | 200     | Morphine  | 25     |
| Clorazepate                  | 100     | Codeine   | 8      |
| Clbazam                      | 30      | Diacetylmorphine (Heroin)                                   | 30     |
| Diazepam                     | 75      | Ethylmorphine   | 15     |
| Estazolam                    | 50      | Hydrocodone   | 25     |
| Desalkyflurazepam            | 40      | Hydromorphone   | 80     |
| Flunitrazepam                | 50      | 6-Monoacetylmorphine (6-MAM)                                | 15     |
| Flurazepam                   | 50      | Morphine-3- β-d-glucuronide                                 | 40     |
| Lorazepam                    | 100     | Nalorphine  | 8,000  |
| Medazepam                    | 50      | Oxycodone   | 15,000 |
| Nitrazepam                   | 50      | Oxymorphone   | 15,000 |
| Nordiazepam                  | 30      | Thebaine  | 3,000  |
| Prazepam                     | 100     | <b>Opiates 40-Related Compounds</b>                         |        |
| Temazepam                    | 40      | Morphine  | 40     |
| Triazola                     | 75      | Codeine   | 50     |
| Cocaine 20-Related Compounds |         | Diacetylmorphine (Heroin)                                   | 50     |
| Cocaine                      | 20      | Ethylmorphine   | 24     |
| Benzoylecgonine              | 200     | Hydrocodone   | 50     |
| Ecgonine                     | 100,000 | Hydromorphone   | 100    |
| Ecgonine methyl ester        | 10,000  | 6-Monoacetylmorphine (6-MAM)                                | 25     |

| Cocaine         30         Nalorphine         10,000           Benzoylecgonine         300         Oxycodone         25,000           Ecgonine methyl ester         30,000         Thebaine         5,000           Cocaine S0-Related Compounds         Opiates 50 - Related Compounds         50           Cocaine         50         Morphine         50           Benzoylecgonine         500         Codeine         15           Ecgonine         50         Diacety/Imorphine (Heroin)         60           Ecgonine         0         Ethylmorphine (Heroin)         60           Cotinine S0-Related Compounds         Hydrocodone         60           Cotinine         50         Hydromorphone         125           Buprenorphine         0         6-Monoacety/Imorphine (G-MAM)         60           EDDP         20         Nalorphine         6.250           Merpinine         20,000         Oxycodone         31,250           Methadone         20,000         Oxycodone         31,250           Methadone         20,000         Oxycodone         31,250           Methadone         20,000         Oxycodone         20           Promethazine         5,000         Hydrocodone   | Ketamine 100-Related Compound | s            | D-Norpropoxyphene                 | 200    |
|---|-------------------------------|--------------|-----------------------------------|--------|
| Interface         Interface <thinterface< th="">         Interface         <thinterface< th="">         Interface         <thinterface< th=""> <thinterface< th=""> <thint< th=""><th></th><th></th><th>Propoxyphene (PPX)</th><th></th></thint<></thinterface<></thinterface<></thinterface<></thinterface<>   |                               |              | Propoxyphene (PPX)                |        |
| Interface         Programme Spregramme, Spreg                 | *                             |              |                                   |        |
| CocaineNalerphineProgracuotateDescriptionBenzoylecgonine90Nalerphine10,000Ecgonine methyl ester30,000Thebaine5,000Cocaine So-Related CompoundsOpiates So -Related Compounds50Benzoylecgonine50Morphine50Benzoylecgonine50Morphine50Benzoylecgonine50Diacetylmorphine (Heroin)60Ecgonine50Diacetylmorphine (Heroin)60Ecgonine50Hydrocodone60Cotinine So-Related CompoundsI Hydrocodone60Cotinine50Hydromorphone125Buprenorphine50Hydromorphone125Buprenorphine50Nalorphine-3- $\beta$ -d-glucuronide60Cotinine50Nalorphine12,500Meperidine20,000Oxycodone31,250Norfentanyl20,000Oxycodone21,250Norfentanyl20,000Oxycodone20,250Promazine10,000Oxycodone20Promazine10,000Oxycodone20Promethazine5,000Oxycodone20Promethazine5,000Hydromorphone20Promethazine5,000Hydrocodone3,000Fentanyl10,000Hydrocodone3,000Fentanyl10,000Hydrocodone4,000Promethazine3,000Gyrodone4,000Promethazine3,000Hydrocodone4,000Prometha  | Phencyclidine                 | 250          | Propoxyphene 50-Related Compounds |        |
| Image: Contract of the second seco |                               |              | Nalorphine                        | 10,000 |
| Cocaine         30         Nalorphine         50           Benzoylegonine         300         Oxycodone         25,000           Eegonine         100000         Oxycodone         25,000           Eegonine methyl ester         30,000         Thebaine         5,000           Cocaine 50-Related Compounds         Opiates 50 - Related Compounds         50           Cocaine         50         Morphine         50           Benzoylegonine         500         Codeine         15           Ecgonine         50         Diacetylmorphine (Heroin)         60           Ecgonine         50,000         Eihylmorphine         30           Cotinine 50-Related Compounds         Hydrocodone         60           Cotinine 50-Related Compounds         Hydromorphone         125           Buprenorphine         100,00         6-Monoacetylmorphine (6-MAM)         60           Cotinine         50,000         Oxycodone         31,250           Merphine         20,000         Oxycodone         31,250           Methadone         20,000         Oxycodone         31,250           Norfentanyl         20,000         Oxycodone         20           Promazine         10,000         Oxycodone         <  | *                             |              | worphine-5- p-a-glacuroniae       | 20,000 |
| Programme is programme in the programme interval of t |                               | >            |                                   |        |
| Cocaine30Nalorphine90Benzoylecgonine300Oxycocdone25,000Eegonine>100000Oxycocdone25,000Eegonine methyl ester30,000Thebaine5,000Cocaine 50-Related CompoundsOpiates 50-Related Compounds50Cocaine 50Cocaine50Codeine15Benzoylecgonine500Codeine15Segonine methyl ester50,000Eidylmorphine (Heroin)60Eegonine50,000Eidylmorphine (Heroin)60Eegonine methyl ester50,000Eidylmorphine125Sogonine50Hydrocodone60Cotinine50Hydrocodone60Cotinine50Hydromorphone125Buprenorphine06-Monoacetylmorphine (6-MAM)60EDDP20Nalorphine12,500Meepridine20,000Oxycodone31,250Methadone20,000Oxycodone31,250Methadone20,000Oxycodone20Phencyclidine20,000Oxycodone20Promazine10,000Hydrocodone3000Fentanyl 10-Related CompoundsNaloxone3000Fentanyl 10-Related CompoundsNaloxone3000Fentanyl 10-Related CompoundsNorkoone3000Fentanyl 10-Related CompoundsNoloxone3000Fentanyl 10-Related CompoundsNoloxone3000Fentanyl 10-Related CompoundsNoloxone40WH-073-4 Buta   |                               | >            |                                   |        |
| Cocaine         30         Nalorphine         50           Cocaine         30         Nalorphine         10,000           Benzoylecgonine         300         Oxycodone         25,000           Ecgonine         >100000         Oxymorphone         25,000           Ecgonine methyl ester         30,000         Thebaine         5,000           Cocaine 50-Related Compounds         Opiates 50 -Related Compounds         50           Cocaine         50         Morphine         50           Benzoylecgonine         500         Codeine         15           Ecgonine         50         Morphine         30           Cotaine 50-Related Compounds         Image of the ster         30           Cotinine 50-Related Compounds         Image of the ster         30           Cotinine         50         Hydrocodone         60           Cotinine         50         Hydrocodone         125           Buprenorphine         20,000         Svycodone         31,250           Methadone         20,000         Oxycodone 20-Related Compounds         12,500           Methadone         20,000         Oxycodone 20-Related Compounds         1,250           Promazine         10,000         Oxycodone 20-Rel   |                               |              | Hydrocodone                       | 2,000  |
| Cocaine         30         Nalorphine         programmes/pr                                   | Dextromethorphan              | >10000       | Phencyclidine (PCP)               | 10     |
| Cocaine         30         Nalorphine         prograde anoma         30           Benzoylecgonine         30         Oxycodone         25,000           Ecgonine         >100000         Oxymorphone         25,000           Ecgonine methyl ester         30,000         Thebaine         5,000           Cocaine 50-Related Compounds         Opiates 50 -Related Compounds         50           Benzoylecgonine         50         Morphine         50           Benzoylecgonine         50         Codeine         15           Ecgonine         50         Diacetylmorphine (Heroin)         60           Ecgonine         0         Ethylmorphine (Heroin)         60           Cotaine 50-Related Compounds         Hydrocodone         60           Cotinine         50         Hydrocodone         125           Ecgonine         >100,00         6-Monoacetylmorphine (6-MAM)         60           Buprenorphine         0         Goxycodone         31,250           Morphine-3         β-d-glucuronide         60           EDDP         20         Nalorphine         5,250           Meperidine         20,000         Oxycodone         21,250           Norfentanyl         20,000         Oxycodone  |                               |              |                                   | -      |
| Cocaine30Nalorphinepergedentionate90Benzoylecgonine300Oxycodone25,000Ecgonine>100000Oxymorphone25,000Ecgonine methyl ester30,000Thebaine5,000Cocaine 50-Related CompoundsOpiates 50-Related Compounds50Cocaine50Morphine50Benzoylecgonine500Codeine15Ecgonine500Codeine15Ecgonine500Codeine60Ecgonine50,000Ethylmorphine (Heroin)60Ecgonine50,000Ethylmorphine30Cotinine 50-Related CompoundsHydrocodone60Cotinine50Hydromorphone125Buprenorphine>100,006-Monoacetylmorphine (6-MAM)60EDDP 20-Related CompoundsMorphine-3- $\beta$ -d-glucuronide60EDDP20Nalorphine12,500Mepridine20,000Oxycodone31,250Norfentanyl20,000Oxycodone20Promazine10,000Oxycodone20Promzine10,000Hydromorphone30,000Promzine10,000Oxycodone20Promzine10,000Hydromorphone30,000Prothipendy110,000Hydromorphone30,000Prothipendy110,000Hydrocodone30,000Fentanyl10Oxycodone40WH-018-5 pentanoic30Oxycodone40WH-018-5 pentanoic30<   | Ketamine(KET)                 | 50           | Oxymorphone                       | 40     |
| Cocaine       30       Nalorphine       po         Cocaine       30       Nalorphine       10,000         Benzoylecgonine       300       Oxycodone       25,000         Ecgonine methyl ester       30,000       Thebaine       5,000         Cocaine 50-Related Compounds       Opiates 50 -Related Compounds       50         Cocaine       50       Morphine       50         Benzoylecgonine       50       Codeine       15         Ecgonine       50       Codeine       15         Ecgonine       50       Codeine       15         Ecgonine       50       Diacetylmorphine (Heroin)       60         Ecgonine methyl ester       50,000       Ethylmorphine       60         Cotinine       50       Hydrocodone       60         Cotinine       50       Hydrocodone       60         Buprenorphine       20,000       Ge-Monoacetylmorphine (6-MAM)       60         EDDP 20 -Related Compounds       Morphine-3- $\beta$ -d-glucuronide       60         EDDP       20       Nalorphine       12,500         Methadone       20,000       Oxycodone       31,250         Norfentanyl       20,000       Oxycodone       20 </td <td>Ketamine 50-Related Compounds</td> <td></td> <td></td> <td>6,250</td>  | Ketamine 50-Related Compounds |              |                                   | 6,250  |
| Cocaine         30         Nalorphine         10,000           Benzoylecgonine         300         Oxycodone         25,000           Ecgonine         >100000         Oxymorphone         25,000           Ecgonine methyl ester         30,000         Thebaine         5,000           Cocaine 50-Related Compounds         Opiates 50 - Related Compounds         50           Cocaine         50         Morphine         50           Benzoylecgonine         500         Codeine         15           Ecgonine         50         Diacetylmorphine (Heroin)         60           Ecgonine         50,000         Ethylmorphine         30           Cotinine         50         Hydrocodone         60           Cotinine         50         Hydromorphone         125           Sonon         GeMonoacetylmorphine (6-MAM)         60           EDDP         20         Nalorphine         60           EDDP         20         Nalorphine         12,500           Methadone         20,000         Oxycodone         31,250           Norfentanyl         20,000         Oxycodone         31,250           Nerfentanyl         20,000         Oxycodone         20   | JWH-250 5-Hydroxypentyl       | >10,000      | Hydromorphone                     | 6,250  |
| Cocaine       30       Nalorphine       10,000         Benzoylecgonine       300       Oxycodone       25,000         Ecgonine       >100000       Oxymorphone       25,000         Ecgonine methyl ester       30,000       Thebaine       5,000         Cocaine 50-Related Compounds       Opiates 50 - Related Compounds       50         Cocaine       50       Morphine       50         Benzoylecgonine       500       Codeine       15         Ecgonine       500       Codeine       15         Benzoylecgonine       500       Codeine       15         Ecgonine       500       Codeine       15         Ecgonine       500       Diacetylmorphine (Heroin)       60         Ecgonine methyl ester       50,000       Ethylmorphine (Heroin)       60         Cotinine       50       Hydrocodone       60         Cotinine       50       Hydromorphone       125         Buprenorphine       0       6-Monoacetylmorphine (6-MAM)       60         EDDP       20       Nalorphine-3- β-d-glucuronide       60         EDDP       20       Oxycodone       31,250         Methadone       20,000       Oxycodone 20-Related Compound  | JWH-073-4 Butanoic            | 30           | Hydrocodone                       | 1,000  |
| Cocaine30Nalorphineprogramme by degradementalBenzoylecgonine300Oxycodone25,000Ecgonine>100000Oxymorphone25,000Ecgonine methyl ester30,000Thebaine5,000Cocaine 50-Related CompoundsOpiates 50 -Related Compounds50S0Cocaine50Morphine50Benzoylecgonine50CodeineIsEcgonine50CodeineIsEcgonine50Diacetylmorphine (Heroin)60Ecgonine methyl ester50,000Ethylmorphine (Heroin)60Cotinine 50-Related CompoundsIthydrocodone60Cotinine50Hydrocodone60Cotinine50Morphine-3- $\beta$ -d-glucuronide60EDDP 20-Related CompoundsIthydromorphone12,500Meperidine20,000Oxycodone31,250Morphine20,000Oxycodone31,250Morphane20,000Oxycodone31,250Norfentanyl20,000Oxycodone31,250Norfentanyl20,000Oxycodone20Promazine10,000Oxycodone20Promazine5,000Hydrocodone20Promethazine5,000Hydrocodone20Promethazine5,000Hydrocodone500Prothipendyl10,000Oxycodone3,000Fentanyl 10-Related CompoundsS000Fore one of the bab of Generation of the bab of Generation of the bab of Generation of the bab of Gener   |                               | 30           | Oxycodone                         | 40     |
| Cocaine30Nalorphine10,000Benzoylecgonine300Oxycodone25,000Ecgonine>100000Oxymorphone25,000Ecgonine methyl ester30,000Thebaine5,000Cocaine 50-Related CompoundsOpiates 50 - Related Compounds50Cocaine50Morphine50Benzoylecgonine50Codeine15Ecgonine50Codeine15Ecgonine50Codeine15Ecgonine50,000Ethylmorphine (Heroin)60Ecgonine methyl ester50,000Ethylmorphine30Cotinine50Hydrocodone60Cotinine50Hydromorphone125Buprenorphine06-Monoacetylmorphine (6-MAM)60EDDP 20 -Related CompoundsMorphine-3- β-d-glucuronide60EDDP20Nalorphine12,500Meperidine20,000Oxycodone31,250Norfentanyl20,000Oxycodone31,250Norfentanyl20,000Thebaine6,250Promazine10,000Oxycodone20Promatine10,000Oxycodone20Promatine10,000Oxycodone20Promethazine5,000Hydrocodone20Promethazine5,000Hydrocodone20Promethazine5,000Hydrocodone3000Fetanyl 10-Related CompoundsNaloxone3000Fetanyl 10-Related CompoundsNaloxone3000 </td <td>K2 30-Related Compounds</td> <td></td> <td>Oxycodone 40-Related Compounds</td> <td>-</td>   | K2 30-Related Compounds       |              | Oxycodone 40-Related Compounds    | -      |
| Cocaine         30         Nalorphine         10,000           Benzoylecgonine         300         Oxycodone         25,000           Ecgonine         >100000         Oxymorphone         25,000           Ecgonine         >100000         Oxymorphone         25,000           Ecgonine methyl ester         30,000         Thebaine         5,000           Cocaine 50-Related Compounds         Opiates 50 - Related Compounds         50           Cocaine         50         Morphine         50           Benzoylecgonine         500         Codeine         15           Ecgonine         500         Codeine         15           Ecgonine         50,000         Ethylmorphine (Heroin)         60           Ecgonine methyl ester         50,000         Ethylmorphine         30           Cotinine         50         Hydrocodone         125           Buprenorphine         50         Hydromorphone         125           Buprenorphine         20,000         GeMonoacetylmorphine (6-MAM)         60           EDDP 20 -Related Compounds         Morphine-3 β -d-glucuronide         60           EDDP         20         Nalorphine         12,500           Methadone         20,000         Ox  | · · · ·                       | 10           |                                   |        |
| Cocaine30Natorphine10,000Benzoylecgonine3000xycodone25,000Ecgonine>1000000xymorphone25,000Ecgonine>1000000xymorphone25,000Ecgonine methyl ester30,000Thebaine5,000Cocaine50Morphine50Benzoylecgonine50Codeine15Cocaine50Codeine15Benzoylecgonine500Codeine15Ecgonine500Codeine15Ecgonine50,000Ethylmorphine (Heroin)60Ecgonine methyl ester50,000Ethylmorphine60Cotinine50Mydrocodone60Cotinine50Hydrocodone60Cotinine50Hydromorphone125Buprenorphine $0$ Solutionacetylmorphine (6-MAM)60EDDP20,000Oxycodone31,250Morphine20,000Oxycodone31,250Morphine20,000Thebaine6,250Phencyclidine20,000Oxycodone31,250Norfentanyl20,000Thebaine6,250Promazine10,000Qycodone20,500Promazine10,000Oxycodone20Promethzine10,000Qycodone20Promethzine10,000Ayrocodone20Promazine10,000Ayrocodone20Promethzine10,000Ayrocodone20Promethzine10,000 <td></td> <td></td> <td></td> <td>3,000</td>  |                               |              |                                   | 3,000  |
| Cocaine30Nalorphine10,000Benzoylecgonine300Oxycodone25,000Ecgonine>100000Oxymorphone25,000Ecgonine>100000Oxymorphone25,000Ecgonine methyl ester30,000Thebaine5,000Cocaine 50-Related CompoundsOpiates 50 - Related Compounds50Cocaine50Morphine50Benzoylecgonine500Codeine15Ecgonine500Codeine15Ecgonine>100,000Diacetylmorphine (Heroin)60Ecgonine50Ethylmorphine30Cotinine 50-Related CompoundsHydrocodone60Cotinine50Hydromorphone125Buprenorphine>100,006-Monoacetylmorphine (6-MAM)60EDDP 20 -Related CompoundsMorphine-3- $\beta$ -d-glucuronide60EDDP20Nalorphine12,500Methadone20,000Oxycodone31,250Norfentanyl20,000Thebaine6,250Phencyclidine20,000Oxycodone 20-Related Compounds12,500Promazine10,000Oxycodone31,250Norfentanyl20,000Oxycodone31,250Norfentanyl20,000Oxycodone2,500Promazine10,000Oxycodone2,500Promazine10,000Oxycodone2,500  | Prothipendyl                  | 10,000       | Hydromorphone                     | 3,000  |
| Cocaine30Nalorphine10,000Benzoylecgonine300Oxycodone25,000Ecgonine>100000Oxymorphone25,000Ecgonine>100000Oxymorphone25,000Ecgonine methyl ester30,000Thebaine5,000Cocaine50Morphine50Benzoylecgonine50Codeine15Ecgonine50Codeine15Ecgonine500Codeine15Ecgonine500Codeine15Ecgonine50,000Ethylmorphine (Heroin)60Ecgonine methyl ester50,000Ethylmorphine30Cotinine50Hydrocodone60Cotinine50Hydromorphone125Buprenorphine>100,006-Monoacetylmorphine (6-MAM)60EDDP 20 -Related CompoundsMorphine-3- $\beta$ -d-glucuronide60EDDP20Nalorphine12,500Methadone20,000Oxycodone31,250Norfentanyl20,000Thebaine6,250Norfentanyl20,000Thebaine6,250Phencyclidine20,000Thebaine6,250   | Promethazine                  | 5,000        | Hydrocodone                       | 500    |
| Cocaine30Nalorphine10,000Benzoylecgonine300Oxycodone25,000Ecgonine>100000Oxymorphone25,000Ecgonine methyl ester30,000Thebaine5,000Cocaine 50-Related CompoundsOpiates 50 -Related Compounds50Cocaine50Morphine50Benzoylecgonine50Codeine15Benzoylecgonine50Codeine15Ecgonine50Codeine15Ecgonine50Codeine15Ecgonine50,000Ethylmorphine (Heroin)60Ecgonine methyl ester50,000Ethylmorphine30Cotinine 50-Related CompoundsHydrocodone60Cotinine50Hydromorphone125Buprenorphine06-Monoacetylmorphine (6-MAM)60EDDP 20-Related CompoundsMorphine-3- $\beta$ -d-glucuronide60EDDP20Nalorphine12,500Methadone20,000Oxycodone31,250Morphine20,000Oxycodone31,250Methadone20,000Oxymorphone31,250Norfentanyl20,000Oxymorphone31,250Norfentanyl20,000Oxymorphone31,250Norfentanyl20,000Oxymorphone31,250Norfentanyl20,000Oxymorphone31,250Norfentanyl20,000Oxymorphone31,250Norfentanyl20,000Oxymorphone31,250Norfentanyl20,  | Promazine                     | 10,000       | Oxycodone                         | 20     |
| Cocaine30Nalorphine10,000Benzoylecgonine300Oxycodone25,000Ecgonine>100000Oxymorphone25,000Ecgonine methyl ester30,000Thebaine5,000Cocaine 50-Related CompoundsOpiates 50 - Related Compounds50Cocaine50Morphine50Benzoylecgonine50Codeine15Ecgonine50Codeine15Ecgonine50Diacetylmorphine (Heroin)60Ecgonine50,000Ethylmorphine30Cotinine50Hydrocodone60Cotinine50Hydromorphone125Buprenorphine $^{>100,00}$ $^{>100,00}$ $^{<100,00}$ $^{<100,00}$ Buprenorphine20Nalorphine-3- $\beta$ -d-glucuronide60EDDP20Nalorphine12,500Meperidine20,000Oxycodone31,250Methadone20,000Oxymorphone31,250   | Phencyclidine                 | 20,000       | Oxycodone 20-Related Compounds    |        |
| Cocaine30Nalorphine10,000Benzoylecgonine300Oxycodone25,000Ecgonine>100000Oxymorphone25,000Ecgonine>100000Oxymorphone25,000Ecgonine methyl ester30,000Thebaine5,000Cocaine50Morphine50Benzoylecgonine50Codeine15Ecgonine500Codeine15Ecgonine500Codeine15Ecgonine50,000Ethylmorphine (Heroin)60Ecgonine50,000Ethylmorphine30Cotinine50,000Ethylmorphine60Cotinine50Hydromorphone125Buprenorphine06-Monoacetylmorphine (6-MAM)60EDDP 20 -Related CompoundsMorphine-3- $\beta$ -d-glucuronide60EDDP20Nalorphine12,500Meperidine20,000Oxycodone31,250  | Norfentanyl                   | 20,000       | Thebaine                          | 6,250  |
| Cocaine30Nalorphine10,000Benzoylecgonine300Oxycodone25,000Ecgonine>100000Oxymorphone25,000Ecgonine>100000Oxymorphone25,000Ecgonine methyl ester30,000Thebaine5,000Cocaine50Morphine50Benzoylecgonine50Codeine15Ecgonine500Codeine15Ecgonine500Codeine15Ecgonine500Diacetylmorphine (Heroin)60Ecgonine methyl ester50,000Ethylmorphine30Cotinine 50-Related CompoundsHydrocodone60Cotinine50Hydromorphone125Buprenorphine $0$ $0$ $0$ Buprenorphine $0$ $0$ $0$ EDDP 20-Related CompoundsMorphine-3- $\beta$ -d-glucuronide60EDDP20Nalorphine12,500  | Methadone                     | 20,000       | Oxymorphone                       | 31,250 |
| Cocaine30Nalorphine10,000Benzoylecgonine300Oxycodone25,000Ecgonine>100000Oxymorphone25,000Ecgonine methyl ester30,000Thebaine5,000Cocaine 50-Related CompoundsOpiates 50 - Related Compounds50Cocaine50Morphine50Benzoylecgonine50Codeine15Benzoylecgonine500Codeine15Ecgonine500Codeine15Ecgonine50,000Ethylmorphine (Heroin)60Ecgonine methyl ester50,000Ethylmorphine30Cotinine 50-Related CompoundsHydrocodone60Cotinine50Hydromorphone125Buprenorphine06-Monoacetylmorphine (6-MAM)60EDDP 20 - Related CompoundsMorphine-3- $\beta$ -d-glucuronide60   | Meperidine                    | 20,000       | Oxycodone                         | 31,250 |
| Cocaine       30       Nalorphine       10,000         Benzoylecgonine       300       Oxycodone       25,000         Ecgonine       >100000       Oxymorphone       25,000         Ecgonine methyl ester       30,000       Thebaine       5,000         Cocaine 50-Related Compounds       Opiates 50 -Related Compounds       50         Cocaine       50       Morphine       50         Benzoylecgonine       500       Codeine       15         Benzoylecgonine       500       Codeine       15         Ecgonine       500       Codeine       15         Ecgonine       50,000       Ethylmorphine (Heroin)       60         Ecgonine methyl ester       50,000       Ethylmorphine       30         Cotinine 50-Related Compounds       Hydrocodone       60         Cotinine       50       Hydromorphone       125         Buprenorphine       0       6-Monoacetylmorphine (6-MAM)       60   | EDDP                          | 20           | Nalorphine                        | 12,500 |
| Cocaine30Nalorphine10,000Benzoylecgonine300Oxycodone25,000Ecgonine>100000Oxymorphone25,000Ecgonine methyl ester30,000Thebaine5,000Cocaine 50-Related CompoundsOpiates 50 -Related Compounds50Cocaine50Morphine50Benzoylecgonine500Codeine15Benzoylecgonine500Codeine15Ecgonine500Codeine15Ecgonine50,000Ethylmorphine (Heroin)60Ecgonine methyl ester50,000Ethylmorphine30Cotinine 50-Related CompoundsHydrocodone60Cotinine50Hydromorphone125>100,006-Monoacetylmorphine (6-MAM)60   | EDDP 20 -Related Compounds    |              | Morphine-3- β-d-glucuronide       | 60     |
| Solution   | Buprenorphine                 | >100,00<br>0 | 6-Monoacetylmorphine (6-MAM)      | 60     |
| Cocaine     30     Nalorphine     10,000       Benzoylecgonine     300     Oxycodone     25,000       Ecgonine     >100000     Oxymorphone     25,000       Ecgonine methyl ester     30,000     Thebaine     5,000       Cocaine 50-Related Compounds     Opiates 50 - Related Compounds     50       Cocaine     50     Morphine     50       Benzoylecgonine     500     Codeine     15       Ecgonine     0     Diacetylmorphine (Heroin)     60       Ecgonine methyl ester     50,000     Ecthylmorphine     30   | Cotinine                      | 50           | Hydromorphone                     | 125    |
| Cocaine     30     Nalorphine     10,000       Benzoylecgonine     300     Oxycodone     25,000       Ecgonine     >100000     Oxymorphone     25,000       Ecgonine methyl ester     30,000     Thebaine     5,000       Cocaine 50-Related Compounds     Opiates 50 - Related Compounds     50       Cocaine     50     Morphine     50       Benzoylecgonine     500     Codeine     15       Ecgonine     >100,00     Diacetylmorphine (Heroin)     60  | Cotinine 50-Related Compounds |              | Hydrocodone                       | 60     |
| Cocaine     30     Nalorphine     10,000       Benzoylecgonine     300     Oxycodone     25,000       Ecgonine     >100000     Oxymorphone     25,000       Ecgonine methyl ester     30,000     Thebaine     5,000       Cocaine 50-Related Compounds     Opiates 50 - Related Compounds     50       Cocaine     50     Morphine     50       Benzoylecgonine     500     Codeine     15       Provide Stream     Provide Stream     60   | Ecgonine methyl ester         | 50,000       | Ethylmorphine                     | 30     |
| Cocaine     30     Nalorphine     10,000       Benzoylecgonine     300     Oxycodone     25,000       Ecgonine     >100000     Oxymorphone     25,000       Ecgonine methyl ester     30,000     Thebaine     5,000       Cocaine 50-Related Compounds     Opiates 50 - Related Compounds     50       Cocaine     50     Morphine     50   | Ecgonine                      |              | Diacetylmorphine (Heroin)         | 60     |
| Cocaine     30     Nalorphine     10,000       Benzoylecgonine     300     Oxycodone     25,000       Ecgonine     >100000     Oxymorphone     25,000       Ecgonine methyl ester     30,000     Thebaine     5,000       Cocaine 50-Related Compounds     Opiates 50 - Related Compounds     5,000   | Benzoylecgonine               | 500          | Codeine                           | 15     |
| Cocaine     30     Nalorphine     10,000       Benzoylecgonine     300     Oxycodone     25,000       Ecgonine     >100000     Oxymorphone     25,000       Ecgonine methyl ester     30,000     Thebaine     5,000   | Cocaine                       | 50           | Morphine                          | 50     |
| Cocaine     30     Nalorphine     10,000       Benzoylecgonine     300     Oxycodone     25,000       Ecgonine     >100000     Oxymorphone     25,000   | Cocaine 50-Related Compounds  | •            |                                   | .,     |
| Cocaine         30         Nalorphine         10,000           Benzoylecgonine         300         Oxycodone         25,000   | Ecgonine methyl ester         | 30,000       |                                   |        |
| Cocaine 30 Nalorphine 10,000  | Ecgonine                      | >100000      |                                   |        |
| - Worphine-5- p-d-graduroinde 50  |                               |              |                                   |        |
| Morphine-3-β-d-glucuronide 50   | Cocaine                       | 30           |                                   | 10,000 |
| Cocaine 30-Related Compounds  | Cocaine 30-Related Compounds  |              | Morphine-3- β-d-glucuronide       | 50     |

| Ketamine(KET)                   | 100         | Tricyclic Antidepressants 100-Related | Compounds |  |
|---------------------------------|-------------|---------------------------------------|-----------|--|
| Norketamine                     | 100         | Nortriptyline                         | 100       |  |
| Dextromethorphan                | >10000      | Marijuana 50 -Related Compounds       |           |  |
|                                 | >           |                                       |           |  |
| D-Norpropoxyphene               | 100000      | Δ9-Tetrahydrocannabinol               | 50        |  |
| Meperidine                      | ><br>100000 | Δ8-Tetrahydrocannabinol               | 75        |  |
| wepertaine                      | >           | Zo-retranychocannabinor               | 73        |  |
| D-Methamphetamine               | 100000      | 11-nor-∆9 -THC-9 COOH                 | 12        |  |
| 3,4-Methylenedioxyethylamphetam | >           |                                       |           |  |
| ine (MDEA)                      | 100000      | 11-hydroxy-Δ9 -THC                    | 300       |  |
| Phencyclidine                   | 400         | Cannabinol                            | 2,000     |  |
| Promethazine                    | > 100000    | Cannabidiol                           | >10,000   |  |
| 6-MAM-Related Compounds         | 100000      | Marijuana 30 -Related Compounds       |           |  |
| 6-Monoacetylmorphine            | 10          | Δ9-Tetrahydrocannabinol               | 30        |  |
| Acetylcodeine                   | >10,000     | Δ8-Tetrahydrocannabinol               | 40        |  |
| Buprenorphine                   | >10,000     | 11-nor-Δ9-THC-9 COOH                  | 8         |  |
| Codeine                         | >10,000     | 11-hydroxy-Δ9 -THC                    | 150       |  |
| Diacetylmorphine                | 1000        | Cannabinol                            | 1,000     |  |
| Dihydrocodeine                  | >10,000     | Cannabidiol                           | >10,000   |  |
| Ethylmorphine                   | >10,000     | Marijuana 12 -Related Compounds       |           |  |
| Hydrocodone                     | >10,000     | 11-nor-∆9 -THC-9 COOH                 | 12        |  |
| Hydromorphone                   | 5,000       | ∆8-Tetrahydrocannabinol               | 2,000     |  |
| Morphine                        | 10,000      | Δ9-Tetrahydrocannabinol               | 4,000     |  |
| Morphine-3-glucuronide          | >10,000     | 11-hydroxy-Δ9 -THC                    | 300       |  |
| Nalorphine                      | 5,000       | Tramadol 30 related compounds         | -         |  |
| Thebaine                        | >20,000     | Tramadol                              | 30        |  |

A study was conducted to determine the cross-reactivity of the test with compounds spiked into drug-free PBS stock. The following compounds demonstrated no false positive results on The Oral Screen Saliva Dru

| Drug Test when tested at concentr | ations up to 100 ug/ml. |                           |
|-----------------------------------|-------------------------|---------------------------|
| (-)-Ephedrine(Except MET)         | Chlorpheniramine        | Oxalic Acid               |
| (+)-Naproxen                      | Creatine                | Penicillin-G              |
| (+/-)-Ephedrine(Except MET)       | Dextromethorphan        | Pheniramine               |
| 4-Dimethyllaminoantiyrine         | Dextrorphan tartrate    | Phenothiazine             |
| Acetaminophen(Except ACE)         | Dopamine                | Procaine                  |
| Acetone                           | Erythromycin            | Protonix                  |
| Albumin                           | Ethanol                 | Pseudoephedrine           |
| Amitriptyline(Except TCA)         | Furosemide              | Quinidine                 |
| Ampicillin                        | Glucose                 | Ranitidine                |
| Aspartame                         | Guaiacol Glyceryl Ether | Sertraline                |
| Aspirin                           | Hemoglobin              | Tyramine                  |
| Benzocaine                        | Ibuprofen               | Vitamin C (Ascorbic Acid) |
| Bilirubin                         | Imipramine(Except TCA)  | Trimeprazine              |
| b-Phenylethyl-amine               | Isoproterenol           | Venlafaxine               |
| Caffeine                          | Lidocaine               |                           |
| Chloroquine                       | Methadone(Except MTD)   |                           |
| For ALC test:                     |                         |                           |

The following substances may interfere with the Saliva Alcohol Test when using samples other than saliva. The named substances do not normally appear in sufficient quantity in saliva to interfere with the test.

- A. Agents which enhance color development
- Peroxidases
- · Strong oxidizers

- Reducing agents: Ascorbic acid, Tannic acid, Pyrogallol, Mercaptans and tosylates, Oxalic acid, Uric Acid
- . Bilirubin •

-

- L-dopa L-methyldopa ٠
- . Methampyrone

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#### GLOSSARY OF SYMBOLS

| - | Catalog number                     | _ | Temperature limitation |
|---|------------------------------------|---|------------------------|
| 0 | Consult instructions for use       |   | Batch code             |
| Ω | In vitro diagnostic medical device | ( | Use by                 |
| Τ | Manufacturer                       |   | Do not reuse           |

Number:

Version 3.0/Effective date: 2016-05-05

Manufacture for: American Screening, LLC 9742 St. Vincent Ave Ste 100, Shreveport, LA 71106 Customer Service Phone: 866-526-2873



B. Agents which inhibit color development