# ACCU-TELL® Multi-Line Drug Cassette (Urine) For professional in vitro diagnostic use only

# For Urine Sample

This package insert is applied to the below products: Catalog No. **Product Name** ABT-DOA-B116 Multi-line 6 Drug Cassette(Urine)

ABT-DOA-B117	Multi-line 7 Drug Cassette(Urine)
ABT-DOA-B118	Multi-line 8 Drug Cassette(Urine)
ABT-DOA-B119	Multi-line 9 Drug Cassette(Urine)
ABT-DOA-B120	Multi-line 10 Drug Cassette(Urine)
ABT-DOA-B350	Multi-line 11 Drug Cassette(Urine)
ABT-DOA-B351	Multi-line 12 Drug Cassette(Urine)

Instruction Sheet for testing of combination of the following drugs: AMP/BAR/BZO/BUP/COC/THC/MTD/MET/MDMA/MOP/MQL/O PI/PCP/PPX/TCA/TML/KET/OXY/COT/EDDP/FYL/SMA/6-MAM

A rapid test for the simultaneous, gualitative detection of multi-line drugs and drug metabolites in human urine. For health care professionals including professionals at point of care sites. Immunoassay for in vitro diagnostic use only.

#### INTENDED USE

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) is a rapid chromatographic immunoassay for the qualitative detection of multi-line drugs and drug metabolites in urine at the following cut-off concentrations:

Amphetamine (AMP 1000)         d-Amphetamine         1,000           Amphetamine (AMP 500)         d-Amphetamine         500           Amphetamine (AMP 300)         d-Amphetamine         300           Barbiturates (BAR 200)         Secobarbital         200           Barbiturates (BAR 200)         Secobarbital         200           Benzodiazepines (BZO)         Oxazepam         200           Benzodiazepines (BZO)         Oxazepam         100           Buprenorphine (BUP)         Buprenorphine         10           Cocaine (COC 100)         Benzoylecgonine         100           Cocaine (COC 100)         Benzoylecgonine         150           Marijuana (THC50)         11-nor-A9-THC-9 COOH         50           Marijuana (THC25)         11-nor-A9-THC-9 COOH         50           Marijuana (THC50)         Methadone         200           Methadone (MTD300)         Methadone         200           Methamphetamine         d-Methamphetamine         1,000           Methamphetamine         d-Methamphetamine         1,000           Methamphetamine         d-Methamphetamine         500           Methamphetamine         d-Methamphetamine         500           Methamphetamine         1,000         Methamphetamine<	Test		Calibrator	Cut-off (ng/mL)
Amphetamine (AMP 300)         d-Amphetamine         300           Barbiturates (BAR 300)         Secobarbital         300           Barbiturates (BAR 200)         Secobarbital         200           Benzodiazepines (BZO)         Oxazepam         300           Benzodiazepines (BZO)         Oxazepam         100           Benzodiazepines (BZO)         Oxazepam         100           Benzodiazepines (BZO)         Oxazepam         100           Cocaine (COC 100)         Benzoylecgonine         10           Cocaine (COC 150)         Benzoylecgonine         100           Cocaine (COC 150)         Benzoylecgonine         150           Marijuana (THC50)         11-nor-A9-THC-9 COOH         50           Marijuana (THC25)         11-nor-A9-THC-9 COOH         50           Marijuana (THC25)         11-nor-A9-THC-9 COOH         200           Methadone (MTD300)         Methadone         200           Methadone (MTD300)         Methadone         300           Methamphetamine         1,000         1,000           Methamphetamine         1,000         Methamphetamine           MET 500)         d-Methamphetamine         300           Methylenedioxymethamphetamine         1,000         Methylenedioxymethamphetamine	Amphetamine (AM	P 1000)	d-Amphetamine	
Amphetamine (AMP 300)         d-Amphetamine         300           Barbiturates (BAR 300)         Secobarbital         300           Barbiturates (BAR 200)         Secobarbital         200           Benzodiazepines (BZO)         Oxazepam         300           Benzodiazepines (BZO)         Oxazepam         100           Benzodiazepines (BZO)         Oxazepam         100           Benzodiazepines (BZO)         Oxazepam         100           Cocaine (COC 100)         Benzoylecgonine         10           Cocaine (COC 150)         Benzoylecgonine         100           Cocaine (COC 150)         Benzoylecgonine         150           Marijuana (THC50)         11-nor-A9-THC-9 COOH         50           Marijuana (THC25)         11-nor-A9-THC-9 COOH         50           Marijuana (THC25)         11-nor-A9-THC-9 COOH         200           Methadone (MTD300)         Methadone         200           Methadone (MTD300)         Methadone         300           Methamphetamine         1,000         1,000           Methamphetamine         1,000         Methamphetamine           MET 500)         d-Methamphetamine         300           Methylenedioxymethamphetamine         1,000         Methylenedioxymethamphetamine	Amphetamine (AM	P 500)	d-Amphetamine	500
Barbiturates (BAR 200)         Secobarbital         200           Benzodiazepines (BZO)         Oxazepam         300           Benzodiazepines (BZO)         Oxazepam         200           Benzodiazepines (BZO)         Oxazepam         100           Buprenorphine (BUP)         Buprenorphine         10           Cocaine (COC 100)         Benzoylecgonine         100           Cocaine (COC 100)         Benzoylecgonine         100           Cocaine (COC 150)         Benzoylecgonine         100           Cocaine (COC 150)         Benzoylecgonine         100           Cocaine (COC 150)         11-nor-A9-THC-9 COOH         50           Marijuana (THC25)         11-nor-A9-THC-9 COOH         25           Methadone (MTD300)         Methadone         200           Methadone (MTD300)         Methadone         200           Methamphetamine         d-Methamphetamine         1,000           MET 500)         d-Methamphetamine         300           Morphine (MOP/OP1300)         Morphine         300           Morphine (MOP/OP1300)         Morphine         300           Morphine (KET 100)         Ketamine         300           Propoxyphene (PCP)         Phencyclidine         2,000           <			d-Amphetamine	300
Benzodiazepines (BZO)         Oxazepam         300           Benzodiazepines (BZO)         Oxazepam         100           Buprenorphine (BUP)         Buprenorphine         10           Cocaine (COC 100)         Benzoylecgonine         100           Cocaine (COC 100)         Benzoylecgonine         100           Cocaine (COC 100)         Benzoylecgonine         150           Marijuana (THC50)         11-nor-A9-THC-9 COOH         50           Marijuana (THC25)         11-nor-A9-THC-9 COOH         25           Methadone (MTD300)         Methadone         300           Methamphetamine         d-Methamphetamine         1,000           Methamphetamine         d-Methamphetamine         500           MET 300)         d-Methamphetamine         500           Morphine (MOP/OP1300)         Morphine         300           Morphine (MOP/OP1300)         Morphine         300           Opiate (OPI)         Morphine         300           Opiate (OPI)         Morphine         300           Tricyclic Antidepressants (TCA)         Nortriptyline         1,000           Tramadol (TML)         Tramadol         100           Ketamine (KET 300)         Ketamine         300           Opiate (OPI)	Barbiturates (BAR	300)	Secobarbital	300
Benzodiazepines (BZO)         Oxazepam         200           Benzodiazepines (BZO)         Oxazepam         100           Buprenorphine (BUP)         Buprenorphine         10           Cocaine (COC 300)         Benzoylecgonine         300           Cocaine (COC 150)         Benzoylecgonine         150           Marijuana (THC50)         11-nor-A9-THC-9 COOH         50           Marijuana (THC25)         11-nor-A9-THC-9 COOH         25           Methadone (MTD200)         Methadone         300           Methadone (MTD200)         Methadone         300           Methamphetamine (MET 1,000)         d-Methamphetamine         1,000           Methamphetamine (MET 300)         d-Methamphetamine         500           Morphine (MOP/OP1300)         Morphine         300           Morphine (MOP/OP1300)         Morphine         300           Morphine (MOP/OP1100)         Morphine         300           Optate (OPI)         Morphine         300           Morphine (KET 1000)         Ketamine         1,000           Ketamine (KET 1000)         Ketamine         300           Cocaine (COT100)         Ketamine         200           Cocainine (COT100)         Ketamine         300 <td< td=""><td>Barbiturates (BAR</td><td>200)</td><td>Secobarbital</td><td>200</td></td<>	Barbiturates (BAR	200)	Secobarbital	200
Benzodiazepines (BZO)         Oxazepam         100           Buprenorphine (BUP)         Buprenorphine         10           Cocaine (COC 300)         Benzoylecgonine         300           Cocaine (COC 100)         Benzoylecgonine         100           Cocaine (COC 150)         Benzoylecgonine         150           Marijuana (THC50)         11-nor-A9-THC-9 COOH         50           Marijuana (THC50)         11-nor-A9-THC-9 COOH         25           Methadone (MTD300)         Methadone         300           Methadone (MTD300)         Methadone         200           Methamphetamine         d-Methamphetamine         1,000           Methamphetamine         d-Methamphetamine         500           Methamphetamine         d-Methamphetamine         500           Methamphetamine         d-Methamphetamine         500           Methaqualone(MOP/OPI300)         Morphine         300           Morphine (MOP/OPI300)         Morphine         300           Opiate (OPI)         Morphine         300           Opiate (OPI)         Morphine         300           Tramadol (TML)         Tramadol         100           Ketamine (KET 1000)         Ketamine         500           Ketamine (KET 500	Benzodiazepines (	BZO)	Oxazepam	300
Benzodiazepines (BZO)         Oxazepam         100           Buprenorphine (BUP)         Buprenorphine         10           Cocaine (COC 300)         Benzoylecgonine         300           Cocaine (COC 100)         Benzoylecgonine         100           Cocaine (COC 150)         Benzoylecgonine         150           Marijuana (THC50)         11-nor-A9-THC-9 COOH         50           Marijuana (THC50)         11-nor-A9-THC-9 COOH         25           Methadone (MTD300)         Methadone         300           Methadone (MTD300)         Methadone         200           Methamphetamine         d-Methamphetamine         1,000           Methamphetamine         d-Methamphetamine         500           Methamphetamine         d-Methamphetamine         500           Methamphetamine         d-Methamphetamine         500           Methaqualone(MOP/OPI300)         Morphine         300           Morphine (MOP/OPI300)         Morphine         300           Opiate (OPI)         Morphine         300           Opiate (OPI)         Morphine         300           Tramadol (TML)         Tramadol         100           Ketamine (KET 1000)         Ketamine         500           Ketamine (KET 500	Benzodiazepines (	BZO)	Oxazepam	200
Cocaine (COC300)         Benzoylecgonine         300           Cocaine (COC 100)         Benzoylecgonine         100           Cocaine (COC 150)         Benzoylecgonine         150           Marijuana (THC50)         11-nor-Δ9-THC-9 COOH         50           Marijuana (THC25)         11-nor-Δ9-THC-9 COOH         150           Marijuana (THC25)         11-nor-Δ9-THC-9 COOH         25           Methadone (MTD300)         Methadone         300           Methamphetamine (MET 1,000)         d-Methamphetamine         1,000           Methamphetamine (MET 300)         d-Methamphetamine         500           Methylenedioxymethamphetamine (MDP/OPI300)         d-Methamphetamine         500           Morphine (MOP/OPI300)         Morphine         300           Morphine (MOP/OPI100)         Morphine         300           Propoxyphene (PCP)         Phencyclidine         25           Propoxyphene (PPX)         Propoxyphene         300           Tramadol (TML)         Tramadol         100           Ketamine (KET 1000)         Ketamine         1,000           Ketamine (KET 300)         Ketamine         300           Oxycodone (OXY)         Oxycodone         100           Oxycodone (OXY)         Oxycodone         <				100
Cocaine (COC300)         Benzoylecgonine         300           Cocaine (COC 100)         Benzoylecgonine         100           Cocaine (COC 150)         Benzoylecgonine         150           Marijuana (THC50)         11-nor-Δ9-THC-9 COOH         50           Marijuana (THC25)         11-nor-Δ9-THC-9 COOH         150           Marijuana (THC25)         11-nor-Δ9-THC-9 COOH         25           Methadone (MTD300)         Methadone         300           Methamphetamine (MET 1,000)         d-Methamphetamine         1,000           Methamphetamine (MET 300)         d-Methamphetamine         500           Methylenedioxymethamphetamine (MDP/OPI300)         d-Methamphetamine         500           Morphine (MOP/OPI300)         Morphine         300           Morphine (MOP/OPI100)         Morphine         300           Propoxyphene (PCP)         Phencyclidine         25           Propoxyphene (PPX)         Propoxyphene         300           Tramadol (TML)         Tramadol         100           Ketamine (KET 1000)         Ketamine         1,000           Ketamine (KET 300)         Ketamine         300           Oxycodone (OXY)         Oxycodone         100           Oxycodone (OXY)         Oxycodone         <	Buprenorphine (BL	JP)	Buprenorphine	10
Cocaine (COC 100)         Benzoylecgonine         100           Cocaine (COC 150)         Benzoylecgonine         150           Marijuana (THC50)         11-nor-Δ9-THC-9 COOH         50           Marijuana (THC25)         11-nor-Δ9-THC-9 COOH         150           Marijuana (THC25)         11-nor-Δ9-THC-9 COOH         25           Methadone (MTD300)         Methadone         300           Methamphetamine         d-Methamphetamine         1,000           Methamphetamine         d-Methamphetamine         500           Methamphetamine         d-Methamphetamine         500           Methylenedioxymethamphetamine         300         60           Methylenedioxymethamphetamine         300         500           Morphine (MOP/OPI300)         Morphine         300           Morphine (MOP/OPI100)         Morphine         300           Opiate (OPI)         Morphine         300           Opiate (OPI)         Propoxyphene         300           Tricyclic Antidepressants (TCA)         Nortriptyline         1,000           Tramadol (TML)         Tramadol         100           Ketamine (KET 1000)         Ketamine         300           Oxycodone (OXY)         Oxycodone         300           <				300
Cocaine (COC 150)         Benzoylecgonine         150           Marijuana (THC50)         11-nor-Δ9-THC-9 COOH         50           Marijuana (THC150)         11-nor-Δ9-THC-9 COOH         150           Marijuana (THC25)         11-nor-Δ9-THC-9 COOH         25           Methadone (MTD200)         Methadone         300           Methadone (MTD200)         Methadone         200           Methamphetamine         d-Methamphetamine         1,000           Methamphetamine         d-Methamphetamine         500           Methamphetamine         d-Methamphetamine         500           Methamphetamine         d-Methamphetamine         500           Methamphetamine         d-Methamphetamine         500           Morphine (MOP/OPI300)         Morphine         300           Morphine (MOP/OPI100)         Morphine         100           Methaqualone(MQL)         Methaqualone         300           Opiate (OPI)         Phencyclidine         25           Propoxyphene (PCP)         Phencyclidine         25           Propoxyphene (PPX)         Propoxyphene         300           Tricyclic Antidepressants (TCA)         Nortriptyline         1,000           Ketamine (KET 1000)         Ketamine         300		,	Benzoylecgonine	100
Marijuana (THC150)11-nor- $\Delta$ 9-THC-9 COOH150Marijuana (THC25)11-nor- $\Delta$ 9-THC-9 COOH25Methadone (MTD300)Methadone300Methadone (MTD200)Methadone200Methamphetamine (MET 1,000)d-Methamphetamine1,000Methamphetamine (MET 500)d-Methamphetamine500Methamphetamine (MET 300)d-Methamphetamine300Methylenedioxymethamphetamine (MET 300)d-Methylenedioxymethampheta500Methylenedioxymethamphetamine (MDP/OP1300)Morphine300Morphine (MOP/OP1100)Morphine300Morphine (MOP/OP1100)Morphine2,000Phencyclidine (PCP)Phencyclidine25Propoxyphene (PPX)Propoxyphene300Tricyclic Antidepressants (TCA)Nortriptyline1,000Ketamine (KET 1000)Ketamine500Ketamine (KET 500)Ketamine500Ketamine (KET 500)Ketamine300Oxycodone (OXY)Oxycodone100Cotinine(COT200)Cotinine200Cotinine(COT100)Cotinine3002-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine1002-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine2-ethylidene-1,5-dimethyl- 				150
Marijuana (THC150)11-nor- $\Delta 9$ -THC-9 COOH150Marijuana (THC25)11-nor- $\Delta 9$ -THC-9 COOH25Methadone (MTD300)Methadone300Methadone (MTD200)Methadone200Methadone (MTD200)d-Methamphetamine1,000Methamphetamine (MET 1,000)d-Methamphetamine1,000Methamphetamine (MET 300)d-Methamphetamine500Methamphetamine (MET 300)d-Methamphetamine300Methylenedioxymethamphetamine (MDP/OP1300)Morphine300Morphine (MOP/OP1300)Morphine300Morphine (MOP/OP1100)Morphine300Opiate (OP1)Phencyclidine25Propoxyphene (PPX)Propoxyphene300Tricyclic Antidepressants (TCA)Nortriptyline1,000Ketamine (KET 1000)Ketamine500Ketamine (KET 500)Ketamine500Ketamine (KET 500)Ketamine300Oxycodone (OXY)Oxycodone100Cotinine (COT100)Cotinine200Cotinine (COT100)Cotinine3002-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine3002-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine202-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine20Fentanyl (FYL20)Norfentanyl100Xorfentanyl100	Marijuana (THC50	)	11-nor-Δ9-THC-9 COOH	50
Methadone (MTD300)Methadone300Methadone (MTD200)Methadone200Methamphetamine (MET 1,000)d-Methamphetamine1,000Methamphetamine (MET 500)d-Methamphetamine500Methamphetamine (MET 300)d-Methamphetamine300Methylenedioxymethamphetamine d,I-Methylenedioxymethampheta mine300Morphine (MOP/OPI300 )Morphine300Morphine (MOP/OPI300 )Morphine100Methaqualone(MQL)Methaqualone300Opiate (OPI)Phencyclidine25Propoxyphene (PPX)Propoxyphene300Tricyclic Antidepressants (TCA)Nortriptyline1,000Ketamine (KET 1000)Ketamine1,000Ketamine (KET 500)Ketamine300Oxycodone (OXY)Oxycodone100Cotinine(COT100)Cotinine200Cotinine(COT100)Cotinine1002-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine3002-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine200Cotinine(CDT100)Norfentanyl1002-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine2002-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine2002-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine2002-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine2002-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine2002-ethylidene-1,5-dimethyl- <b< td=""><td></td><td></td><td>11-nor-Δ9-THC-9 COOH</td><td>150</td></b<>			11-nor-Δ9-THC-9 COOH	150
Methadone (MTD200)         Methadone         200           Methamphetamine (MET 1,000)         d-Methamphetamine         1,000           Methamphetamine (MET 500)         d-Methamphetamine         500           Methamphetamine (MET 300)         d-Methamphetamine         300           Methylenedioxymethamphetamine (J.I-Methylenedioxymethampheta (MDMA)         300         300           Morphine (MOP/OPI300 )         Morphine         300           Morphine (MOP/OPI100)         Morphine         300           Opiate (OPI)         Methaqualone         300           Opiate (OPI)         Phencyclidine         25           Propoxyphene (PCP)         Phencyclidine         25           Propoxyphene (PPX)         Propoxyphene         300           Tricyclic Antidepressants (TCA)         Nortriptyline         1,000           Ketamine (KET 1000)         Ketamine         1,000           Ketamine (KET 300)         Ketamine         300           Oxycodone (OXY)         Oxycodone         100           Cotinine(COT100)         Cotinine         200           Cotinine         2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine         3-diphenylpyrrolidine           2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine         2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrro	Marijuana (THC25	)	11-nor-Δ9-THC-9 COOH	25
Methamphetamine (MET 1,000)d-Methamphetamine1,000Methamphetamine (MET 500)d-Methamphetamine500Methamphetamine (MET 300)d-Methamphetamine300Methylenedioxymethamphetamine (MDMA)d-Methylenedioxymethampheta mine500Morphine (MOP/OPI300 )Morphine300Morphine (MOP/OPI300 )Morphine300Morphine (MOP/OPI300 )Morphine300Morphine (MOP/OPI100)Morphine300Opiate (OPI)Methaqualone300Phencyclidine (PCP)Phencyclidine25Propoxyphene (PCX)Propoxyphene300Tricyclic Antidepressants (TCA)Nortriptyline1,000Tramadol (TML)Tramadol100Ketamine (KET 1000)Ketamine300Oxycodone (OXY)Oxycodone100Cotinine(COT200)Cotinine200Cotinine(COT100)Cotinine1002-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine3,3-diphenylpyrrolidine2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine2002-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine200Fentanyl(FYL20)Norfentanyl20Fentanyl(FYL10)Norfentanyl20			Methadone	300
Methamphetamine (MET 1,000)d-Methamphetamine1,000Methamphetamine (MET 500)d-Methamphetamine500Methamphetamine (MET 300)d-Methamphetamine300Methylenedioxymethamphetamine (MDMA)d-Methylenedioxymethampheta mine500Morphine (MOP/OPI300 )Morphine300Morphine (MOP/OPI300 )Morphine300Morphine (MOP/OPI300 )Morphine300Morphine (MOP/OPI100)Morphine300Opiate (OPI)Methaqualone300Phencyclidine (PCP)Phencyclidine25Propoxyphene (PCX)Propoxyphene300Tricyclic Antidepressants (TCA)Nortriptyline1,000Tramadol (TML)Tramadol100Ketamine (KET 1000)Ketamine300Oxycodone (OXY)Oxycodone100Cotinine(COT200)Cotinine200Cotinine(COT100)Cotinine1002-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine3,3-diphenylpyrrolidine2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine2002-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine200Fentanyl(FYL20)Norfentanyl20Fentanyl(FYL10)Norfentanyl20	Methadone (MTD2	200)	Methadone	200
Image Methamphetamined-Methamphetamine500Methamphetamine (MET 300)d-Methamphetamine300Methamphetamine (MET 300)d-Methamphetamine300Methylenedioxymethamphetamine (MDMA)d-Methylenedioxymethampheta mine500Morphine (MOP/OPI300)Morphine300Morphine (MOP/OPI100)Morphine100Methaqualone(MQL)Methaqualone300Opiate (OPI)Morphine2,000Phencyclidine (PCP)Phencyclidine25Propoxyphene (PPX)Propoxyphene300Tricyclic Antidepressants (TCA)Nortriptyline1,000Ketamine (KET 1000)Ketamine1,000Ketamine (KET 500)Ketamine300Oxycodone (OXY)Oxycodone100Cotinine(COT100)Cotinine1002-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine3002-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine100Centamyl(FYL20)Norfentanyl20Fentanyl(FYL10)Norfentanyl10			d Mashamahatan ing	1 000
Methamphetamine (MET 500)d-Methamphetamine500Methamphetamine (MET 300)d-Methamphetamine300Methylenedioxymethamphetamine (MDMA)d,I-Methylenedioxymethampheta mine500Morphine (MOP/OPI300)Morphine300Morphine (MOP/OPI300)Morphine100Methaqualone(MQL)Methaqualone300Opiate (OPI)Morphine2,000Phencyclidine (PCP)Phencyclidine2,000Phencyclidine (PCP)Propoxyphene300Tricyclic Antidepressants (TCA)Nortriptyline1,000Ketamine (KET 1000)Ketamine100Ketamine (KET 500)Ketamine300Oxycodone (OXY)Oxycodone100Cotinine (COT100)Cotinine1002-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine3002-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine100Fentanyl(FYL20)Norfentanyl20Fentanyl(FYL10)Norfentanyl10	(MET 1,000)		d-ivietnampnetamine	1,000
(MET 300)d-Methampretamme300Methylenedioxymethamphetamined,I-Methylenedioxymethampheta500Morphine (MOP/OPI300)Morphine300Morphine (MOP/OPI100)Morphine100Methaqualone(MQL)Methaqualone300Opiate (OPI)Morphine2,000Phencyclidine (PCP)Phencyclidine25Propoxyphene (PPX)Propoxyphene300Tricyclic Antidepressants (TCA)Nortriptyline1,000Ketamine (KET 1000)Ketamine1,000Ketamine (KET 500)Ketamine300Oxycodone (OXY)Oxycodone100Cotinine(COT100)Cotinine1002-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine3,3-diphenylpyrrolidine2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine100Fentanyl(FYL20)Norfentanyl20Fentanyl(FYL10)Norfentanyl10	Methamphetamine	1	d-Methamphetamine	500
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Opiate (OPI)         Morphine         2,000           Phencyclidine (PCP)         Phencyclidine         25           Propoxyphene (PPX)         Propoxyphene         300           Tricyclic Antidepressants (TCA)         Nortriptyline         1,000           Tramadol (TML)         Tramadol         100           Ketamine (KET 1000)         Ketamine         1,000           Ketamine (KET 500)         Ketamine         300           Ketamine (KET 300)         Ketamine         300           Cwycodone (OXY)         Oxycodone         100           Cotinine(COT100)         Cotinine         200           Cotinine(COT100)         Cotinine         100           2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine         3,3-diphenylpyrrolidine         300           2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine         2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine         100           Fentanyl(FYL20)         Norfentanyl         20         10				
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Tramadol (TML)         Tramadol         100           Ketamine (KET1000)         Ketamine         1,000           Ketamine (KET 500)         Ketamine         500           Ketamine (KET 300)         Ketamine         300           Oxycodone (OXY)         Oxycodone         100           Cotinine(COT200)         Cotinine         200           Cotinine(COT100)         Cotinine         100           2-ethylidene-1,5-dimethyl-         2-ethylidene-1,5-dimethyl-         3,3-diphenylpyrrolidine           3,3-diphenylpyrrolidine         2-ethylidene-1,5-dimethyl-         3,3-diphenylpyrrolidine           2,-ethylidene-1,5-dimethyl-         2-ethylidene-1,5-dimethyl-         3,3-diphenylpyrrolidine           3,3-diphenylpyrrolidine         2-ethylidene-1,5-dimethyl-         3,3-diphenylpyrrolidine           100         Fentanyl((FYL20)         Norfentanyl         100				
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Oxycodone (OXY)     Oxycodone     100       Cotinine(COT200)     Cotinine     200       Cotinine(COT100)     Cotinine     100       2-ethylidene-1,5-dimethyl-     2-ethylidene-1,5-dimethyl-     3,3-diphenylpyrrolidine       3,3-diphenylpyrrolidine     3,3-diphenylpyrrolidine     300       2-ethylidene-1,5-dimethyl-     3,3-diphenylpyrrolidine     100       2-ethylidene-1,5-dimethyl-     3,3-diphenylpyrrolidine     100       (EDDP300)     2-ethylidene-1,5-dimethyl-     100       2-ethylidene-1,5-dimethyl-     3,3-diphenylpyrrolidine     100       (EDDP100)     Fentanyl(FYL20)     Norfentanyl     20       Fentanyl(FYL10)     Norfentanyl     10	Ketamine (KET 300)	)	Ketamine	300
Cotinine(COT200)     Cotinine     200       Cotinine(COT100)     Cotinine     100       2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine     2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine     300       2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine     2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine     100       2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine     100     100       Fentanyl(FYL20)     Norfentanyl     20       Fentanyl(FYL10)     Norfentanyl     10				
Cotinine(COT100)         Cotinine         100           2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine         2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine         300           2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine         3,3-diphenylpyrrolidine         300           2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine         2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine         100           (EDDP100)         Fentanyl(FYL20)         Norfentanyl         20           Fentanyl(FYL10)         Norfentanyl         10				
2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine     2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine     300       2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine     300     300       2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine     100       Fentanyl(FYL20)     Norfentanyl     20       Fentanyl(FYL10)     Norfentanyl     10				100
3,3-diphenylpyrrolidine     2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine     300       (EDDP300)     3,3-diphenylpyrrolidine     300       2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine     100       (EDDP100)     3,3-diphenylpyrrolidine     100       Fentanyl(FYL20)     Norfentanyl     20       Fentanyl(FYL10)     Norfentanyl     10		methyl-		1
3,3-diphenylpyrrolidine     2-etrrylidene-1,5-dimetryl-     100       (EDDP100)     3,3-diphenylpyrrolidine     100       Fentanyl(FYL20)     Norfentanyl     20       Fentanyl(FYL10)     Norfentanyl     10	3,3-diphenylpyrroli			300
Fentanyl(FYL20)         Norfentanyl         20           Fentanyl(FYL10)         Norfentanyl         10	3,3-diphenylpyrroli		2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine	100
Fentanyl (FYL10) Norfentanyl 10	Fentanyl(FYL20)		Norfentanyl	20
Synthetic Marijuana (K2-50) IWH-018. IWH-073 50				
		(K2-50)	JWH-018、JWH-073	50

# Accurate, Reliable, Cost Effective

Synthetic Marijuana (K2-30)	JWH-018、JWH-073	30
6-mono-acetyl-morphine (6-MAM10)	6-MAM	10
Ethyl Glucuronide (ETG500)	Ethyl Glucuronide	500
Ethyl Glucuronide (ETG1000)	Ethyl Glucuronide	1000
Pregabalin(PGB700)	Pregabalin	700
Pregabalin(PGB2000)	Pregabalin	2000
Pregabalin(PGB500)	Pregabalin	500
SyntheticMarijuana K3+(AB-Pinaca10)	Synthetic Marijuana K3+	10
Zopiclone (ZOP)	Zopiclone	50
Zolpidem (ZOL)	Zolpidem	50
3,4-methylenedioxypyrovalerone (MDPV3000)	3,4-methylenedioxypyrovalerone	3000
3,4-methylenedioxypyrovalerone (MDPV1000)	3,4-methylenedioxypyrovalerone	1000

This assay provides only a preliminary analytical test result. A more specific alternate chemical method must be used in order to obtain a confirmed analytical result. Gas chromatography/mass spectrometry (GC/MS) is the preferred confirmatory method. Clinical consideration and professional judgment should be applied to any drug of abuse test result, particularly when preliminary positive results are indicated.

#### SUMMARY

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) is a rapid urine screening test that can be performed without the use of an instrument. The test utilizes monoclonal antibodies to selectively detect elevated levels of specific drugs in urine.

#### Amphetamine (AMP 1,000)

Amphetamine is a Schedule II controlled substance available by prescription (Dexedrine<sup>®</sup>) and is also available on the illicit market. Amphetamines are a class of potent sympathomimetic agents with therapeutic applications. They are chemically related to the human body's natural catecholamines: epinephrine and norepinephrine. Acute higher doses lead to enhanced stimulation of the central nervous system (CNS) and induce euphoria, alertness, reduced appetite, and a sense of increased energy and power. Cardiovascular responses to amphetamines include increased blood pressure and cardiac arrhythmias. More acute responses produce anxiety, paranoia, hallucinations, and psychotic behavior. The effects of Amphetamines generally last 2-4 hours following use and the drug has a half-life of 4-24 hours in the body. About 30% of amphetamines are excreted in the urine in unchanged form, with the remainder as hydroxylated and deaminated derivatives.

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of amphetamines in urine exceeds 1,000 ng/mL. This is the suggested screening cut-off for positive specimens set by the Substance Abuse and Mental Health Services Administration (SAMHSA, USA).<sup>1</sup>

Amphetamine (AMP 500) ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when amphetamines in urine exceed 500ng/mL. See Amphetamine (AMP 1,000) for the summary.

#### Amphetamine (AMP 300)

ACCU-TELL® Multi-Line Drug Cassette (Urine) yields a positive result when amphetamines in urine exceed 300ng/mL. See Amphetamine (AMP 1,000) for the summary.

#### **Barbiturates (BAR 300)**

Barbiturates are CNS depressants. They are used therapeutically as sedatives, hypnotics, and anticonvulsants barbiturates are almost always taken orally as capsules or tablets. The effects resemble those of intoxication with alcohol. Chronic use of barbiturates leads to tolerance and physical dependence.

Short-acting barbiturates taken at 400 mg/day for 2-3 months can produce a clinically significant degree of physical dependence. Withdrawal symptoms experienced during periods of drug abstinence can be severe enough to cause death.

Only a small amount (less than 5%) of most barbiturates are excreted unaltered in the urine.

The approximate detection time limits for barbiturates are: Short acting (e.g. Secobarbital) 100 mg PO (oral) 4.5 days

Long acting (e.g. Phenobarbital) 400 mg PO (oral) 7 days2 ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of barbiturates in urine exceeds 300ng/mL. At present, the Substance Abuse and Mental Health Services Administration (SAMHSA) does not have а recommended screening cut-off for Barbiturate positive

Page 1 of 10 ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine)

# specimens.

## Barbiturates (BAR 200)

ACCU-TELL® Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of barbiturates in urine exceeds 200ng/mL. See Barbiturate (BAR 300) for the summary.

#### Benzodiazepines (BZO 300)

Benzodiazepines are medications that are frequently prescribed for the symptomatic treatment of anxiety and sleep disorders. They produce their effects via specific receptors involving a neurochemical called gamma aminobutyric acid (GABA). Because they are safer and more effective, benzodiazepines have replaced barbiturates in the treatment of both anxiety and insomnia. Benzodiazepines are also used as sedatives before some surgical and medical procedures, and for the treatment of seizure disorders and alcohol withdrawal.

Risk of physical dependence increases if benzodiazepines are taken regularly (e.g., daily) for more than a few months, especially at higher than normal doses. Stopping abruptly can bring on such symptoms as trouble sleeping, gastrointestinal upset, feeling unwell, loss of appetite, sweating, trembling, weakness, anxiety and changes in perception.

Only trace amounts (less than 1%) of most benzodiazepines are excreted unaltered in the urine; most of the concentration in urine is conjugated drug. The detection period for benzodiazepines in urine is 3-7 days.

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of benzodiazepines in urine exceeds 300 ng/mL. At present, the Substance Abuse and Mental Health Services Administration (SAMHSA) does not have a recommended screening cut-off for benzodiazepine positive specimens.

Benzodiazepines (BZO 200) ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of Benzodiazepines in urine exceeds 200ng/mL. See Benzodiazepines (BZO 300) for the summary.

#### Benzodiazepines (BZO 100)

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of Benzodiazepines in urine exceeds 100ng/mL. See Benzodiazepines (BZO 300) for the summary.

#### **Buprenorphine (BUP)**

Buprenorphine is a potent analgesic often used in the treatment of opioid addiction. The drug is sold under the trade names Subutex<sup>™</sup>, Buprenex<sup>™</sup>, Temgesic<sup>™</sup> and Suboxone<sup>™</sup>, which contain Buprenorphine HCI alone or in combination with Naloxone HCI. Therapeutically, Buprenorphine is used as a substitution treatment for opioid addicts. Substitution treatment is a form of medical care offered to opiate addicts (primarily heroin addicts) based on a similar or identical substance to the drug normally used. In substitution therapy, Buprenorphine is as effective as Methadone but demonstrates a lower level of physical dependence. Concentrations of free Buprenorphine and Norbuprenorphine in urine may be less than 1ng/ml after therapeutic administration, but can range up to 20 ng/ml in abuse situations.10 The plasma half life of Buprenorphine is 2-4 hours.10 While complete elimination of a single dose of the drug can take as long as 6 days, the window of detection for the parent drug in urine is thought to be approximately 3 days.

Substantial abuse of Buprenorphine has also been reported in many countries where various forms of the drug are available. The drug has been diverted from legitimate channels through theft, doctor shopping, and fraudulent prescriptions, and been abused via intravenous, sublingual, intranasal and inhalation routes.

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the Buprenorphine in urine exceeds 10ng/mL. Cocaine (COC 300)

Cocaine is a potent central nervous system stimulant and a local anesthetic. Initially, it brings about extreme energy and restlessness while gradually resulting in tremors, over-sensitivity and spasms. In large amounts, cocaine causes fever, unresponsiveness, difficulty in breathing and unconsciousness.

Cocaine is often self-administered by nasal inhalation, intravenous injection and free-base smoking. It is excreted in the urine in a short time primarily as benzoylecgonine. 3,4 Benzoylecgonine, a major metabolite of cocaine, has a longer biological half-life (5-8 hours) than cocaine (0.5-1.5 hours), and can generally be detected for 24-48 hours after cocaine exposure.<sup>4</sup>

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of benzoylecgonine in urine exceeds 300ng/mL. This is the suggested screening cut-off for positive specimens set by the Substance Abuse and Mental Health Services Administration (SAMHSA, USA).

### Cocaine (COC 100)

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of benzoylecgonine in urine exceeds 100ng/mL. See Cocaine (COC 300) for the summary. Cocaine (COC 150)

ACCU-TELL® Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of benzoylecgonine in urine exceeds 150ng/mL. See Cocaine (COC 300) for the summary. Marijuana (THC50)

THC ( $\Delta$ 9-tetrahydrocannabinol) is the primary active ingredient in cannabis (marijuana). When smoked or orally administered, THC produces euphoric effects. Users have impaired short-term memory and slowed learning. They may also experience transient episodes of confusion and anxiety. Long-term, relatively heavy use may be associated with behavioral disorders. The peak effect of marijuana administered by smoking occurs in 20-30 minutes and the duration is 90-120 minutes after one cigarette. Elevated levels of urinary metabolites are found within hours of exposure and remain detectable for 3-10 days after smoking. The main metabolite excreted in the urine 11-nor- $\Delta$ 9-tetrahydrocannabinol-9-carboxylic acid (THC-COOH). ACCU-TELL® Multi-Line Drug Cassette (Urine) yields a positive

result when the concentration of THC-COOH in urine exceeds 50ng/mL. This is the suggested screening cut-off for positive specimens set by the Substance Abuse and Mental Health Services Administration (SAMHSA, USA).

#### Marijuana (THC150)

ACCU-TELL® Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of THC-COOH in urine exceeds 150ng/mL. See Marijuana (THC 50) for the summary.

### Marijuana (THC25)

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of THC-COOH in urine exceeds 25ng/mL. See Marijuana (THC 50) for the summary.

#### Methadone(MTD300)

Methadone is a narcotic analgesic prescribed for the management of moderate to severe pain and for the treatment of opiate dependence (heroin, Vicodin, Percocet, morphine). The pharmacology of oral methadone is very different from IV methadone. Oral methadone is partially stored in the liver for later use. IV methadone acts more like heroin. In most states you must go to a pain clinic or a methadone maintenance clinic to be prescribed methadone.

Methadone is a long acting pain reliever producing effects that last from twelve to forty-eight hours. Ideally, methadone frees the client from the pressures of obtaining illegal heroin, from the dangers of injection, and from the emotional roller coaster that most opiates produce. Methadone, if taken for long periods and at large doses, can lead to a very long withdrawal period. The withdrawals from methadone are more prolonged and troublesome than those provoked by heroin cessation, yet the substitution and phased removal of methadone is an acceptable method of detoxification for patients and therapists.

ACCU-TELL® Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of methadone in urine exceeds 300ng/mL. At present, the Substance Abuse and Mental Health Services Administration (SAMHSA) does not have а recommended screening cut-off for methadone positive specimens.

#### Methadone(MTD200)

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of methadone in urine exceeds 200ng/mL. See methadone (MTD300) for the summary.

#### Methamphetamine (MET 1,000)

Methamphetamine is an addictive stimulant drug that strongly activates certain systems in the brain. Methamphetamine is closely related chemically to Amphetamine, but the central nervous

system effects of Methamphetamine are greater. Methamphetamine is made in illegal laboratories and has a high potential for abuse and dependence. The drug can be taken orally, injected, or inhaled. Acute higher doses lead to enhanced stimulation of the central nervous system and induce euphoria, alertness, reduced appetite, and a sense of increased energy and power. Cardiovascular responses to Methamphetamine include increased blood pressure and cardiac arrhythmias. More acute responses produce anxiety, paranoia, hallucinations, psychotic behavior, and eventually, depression and exhaustion.

The effects of Methamphetamine generally last 2-4 hours and the drug have a half-life of 9-24 hours in the body. Methamphetamine is excreted in the urine primarily as Amphetamine, and oxidized and deaminated derivatives. However, 10-20% of Methamphetamine is excreted unchanged. Thus, the presence of the parent compound in the urine indicates Methamphetamine use. Methamphetamine is generally detectable in the urine for 3-5 days, depending on urine pH level.

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) is a rapid urine screening test that can be performed without the instrument. The test utilizes a monoclonal antibody to detect elevated levels of Methamphetamine in urine. ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the Methamphetamine in urine exceeds 1,000ng/mL

#### Methamphetamine (MET 500)

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of Methamphetamine in urine exceeds 500ng/mL. See Methamphetamine (MET1000) for the summary.

#### Methamphetamine (MET 300)

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of Methamphetamine in urine exceeds 300ng/mL. See Methamphetamine (MET1000) for the summary.

#### Methylenedioxymethamphetamine

Methylenedioxymethamphetamine (ecstasy) is a designer drug first synthesized in 1914 by a German drug company for the treatment of obesity.<sup>5</sup> Those who take the drug frequently report adverse effects, such as increased muscle tension and sweating. MDMA is not clearly a stimulant, although it has, in common with amphetamine drugs, a capacity to increase blood pressure and heart rate. MDMA does produce some perceptual changes in the form of increased sensitivity to light, difficulty in focusing, and blurred vision in some users. Its mechanism of action is thought to be via release of the neurotransmitter serotonin. MDMA may also release dopamine, although the general opinion is that this is a secondary effect of the drug (Nichols and Oberlender, 1990). The most pervasive effect of MDMA, occurring in virtually all people who took a reasonable dose of the drug, was to produce a clenching of the jaws.

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of Methylenedioxymethamphetamine in urine exceeds 500ng/mL. At present, the Substance Abuse and Mental Health Services Administration (SAMHSA) does not have a recommended screening cut-off for Methylenedioxy- methamphetamine positive specimens.

# Morphine/Opiate (MOP/OPI 300)

Opiate refers to any drug that is derived from the opium poppy, including the natural products, morphine and codeine, and the semi-synthetic drugs such as heroin. Opioid is more general, referring to any drug that acts on the opioid receptor.

Opioid analgesics comprise a large group of substances which control pain by depressing the CNS. Large doses of morphine can produce higher tolerance levels, physiological dependency in users, and may lead to substance abuse. Morphine is excreted unmetabolized, and is also the major metabolic product of codeine and heroin. Morphine is detectable in the urine for several days after an opiate dose.<sup>2</sup>

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of morphine in urine exceeds 300ng/mL.

### Morphine/Opiate (MOP/OPI 100)

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of morphine in urine exceeds 100ng/mL. See Morphine/Opiate (MOP 300) for the summary.

### Morphine/Opiate (OPI 2,000)

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of morphine in urine exceeds 2,000ng/mL. This is the suggested screening cut-off for positive specimens set by the Substance Abuse and Mental Health Services Administration (SAMHSA, USA).<sup>1</sup> See morphine (MOP 300) for summary

#### Methaqualone (MQL)

Methaqualone (Quaalude, Sopor) is a quinazoline derivative that was first synthesized in 1951 and found clinically effective as a sedative and hypnotic in 1956.<sup>2</sup> It soon gained popularity as a drug of abuse and in 1984 was removed from the US market due to extensive misuse. It is occasionally encountered in illicit form, and is also available in Europeon countries in combination with diphenhydramine (Mandrax). Methaqualone is extensively metabolized in vivo principally by hydroxylation at every possible position on the molecule. At least 12 metabolites have been identified in the urine.

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of Methaqualone in urine exceeds 300ng/mL.

#### Phencyclidine (PCP)

Phencyclidine, also known as PCP or Angel Dust, is a hallucinogen that was first marketed as a surgical anesthetic in the 1950's. It was removed from the market because patients receiving it became delirious and experienced hallucinations.

PCP is used in powder, capsule, and tablet form. The powder is either snorted or smoked after mixing it with marijuana or vegetable matter. PCP is most commonly administered by inhalation but can be used intravenously, intra-nasally, and orally. After low doses, the user thinks and acts swiftly and experiences mood swings from euphoria to depression. Self-injurious behavior is one of the devastating effects of PCP.

PCP can be found in urine within 4 to 6 hours after use and will remain in urine for 7 to 14 days, depending on factors such as metabolic rate, user's age, weight, activity, and diet.6 PCP is excreted in the urine as an unchanged drug (4% to 19%) and conjugated metabolites (25% to 30%).<sup>6</sup>

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of phencyclidine in urine exceeds 25ng/mL. This is the suggested screening cut-off for positive specimens set by the Substance Abuse and Mental Health Services Administration (SAMHSA, USA).<sup>1</sup>

#### Propoxyphene (PPX)

Propoxyphene (PPX) is a narcotic analgesic compound bearing structural similarity to methadone. As an analgesic, propoxyphene can be from 50-75% as potent as oral codeine. Darvocet<sup>™</sup>, one of the most common brand names for the drug, contains 50-100 mg of propoxyphene napsylate and 325-650 mg of acetaminophen. Peak plasma concentrations of propoxyphene are achieved from 1 to 2 hours post dose. In the case of overdose, propoxyphene blood concentrations can reach significantly higher levels.

In humans, propoxyphene is metabolized by N-demethylation to yield norpropoxyphene. Norpropoxyphene has a longer half-life (30 to 36 hours) than parent propoxyphene (6 to 12 hours). The accumulation of norpropoxyphene seen with repeated doses may be largely responsible for resultant toxicity.

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of Propoxyphene or Norpropoxyphene in urine exceeds 300ng/mL. At present, the Substance Abuse and Mental Health Services Administration (SAMHSA) does not have a recommended screening cut-off for propoxyphene positive specimens.

#### **Tricyclic Antidepressants (TCA)**

TCA (Tricyclic Antidepressants) are commonly used for the treatment of depressive disorders. TCA overdoses can result in profound CNS depression, cardiotoxicity and anticholinergic effects. TCA overdose is the most common cause of death from prescription drugs. TCAs are taken orally or sometimes by injection. TCAs are metabolized in the liver. Both TCAs and their metabolites are excreted in urine mostly in the form of metabolites for up to ten days.

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of tricyclic antidepressants in urine exceeds 1,000ng/mL. At present, the Substance Abuse and

Mental Health Services Administration (SAMHSA) does not have a recommended screening cut-off for tricyclic antidepressant positive specimens.

# Tramadol (TML)

Tramadol(TML) is a quasi-narcotic analgesic used in the treatment of moderate to severe pain. It is a synthetic analog of codeine, but has a low binding affinity to the mu-opioid receptors. Large doses of tramadol can develop tolerance and physiological dependency and lead to its abuse. Tramadol is extensively metabolized after oral administration. Approximately 30% of the dose is excreted in the urine as unchanged drug, whereas 60% is excreted as metabolites. The major pathways appear to be N- and Odemethylation, glucoronidation or sulfation in the liver.

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) is a rapid urine screening test that can be performed without the use of an instrument. The test utilizes a monoclonal antibody to selectively detect elevated levels of Tramadol in urine. The ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when Tramadol in urine exceed 100ng/mL.

# Ketamine1000

Ketamine is a dissociative anesthetic developed in 1963 to replace PCP (Phencyclidine). While Ketamine is still used in human anesthesia and veterinary medicine, it is becoming increasingly abused as a street drug. Ketamine is molecularly similar to PCP and thus creates similar effects including numbness, loss of coordination, sense of invulnerability, muscle rigidity, aggressive / violent behavior, slurred or blocked speech, exaggerated sense of strength, and a blank stare. There is depression of respiratory function but not of the central nervous system, and cardiovascular function is maintained. The effects of Ketamine generally last 4-6 hours following use. Ketamine is excreted in the urine as unchanged drug (2.3%) and metabolites (96.8%).<sup>1</sup>

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) is a rapid urine screening test that can be performed without the use of an instrument. The test utilizes a monoclonal antibody to selectively detect elevated levels of Ketamine in urine. ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when Ketamine in urine exceeds 1,000ng/mL.

# Ketamine (KET500)

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine)yields a positive result when the concentration of Ketamine in urine exceeds 500 ng/mL. See Ketamine(KET1,000) for the summary.

### Ketamine (KET300)

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of Ketamine in urine exceeds 300 ng/mL. See Ketamine(KET1,000) for the summary.

# Oxycodone (OXY)

Oxycodone is a semi-synthetic opioid with a structural similarity to codeine. The drug is manufactured by modifying thebaine, an alkaloid found in the opium poppy. Oxycodone, like all opiate agonists, provides pain relief by acting on opioid receptors in the spinal cord, brain, and possibly directly in the affected tissues. Oxycodone is prescribed for the relief of moderate to high pain under the well-known pharmaceutical trade names of OxyContin® Tylox<sup>®</sup>, Percodan<sup>®</sup> and Percocet<sup>®</sup>. While Tylox<sup>®</sup>, Percodan<sup>®</sup> and Percocet<sup>®</sup> contain only small doses of oxycodone hydrochloride combined with other analgesics such as acetaminophen or aspirin, OxyContin consists solely of oxycodone hydrochloride in a time-release form. Oxycodone is known to metabolize by demethylation into oxymorphone and noroxycodone. In a 24-hour urine, 33-61% of a single, 5 mg oral dose is excreted with the primary constituents being unchanged drug (13-19%), conjugated drug (7-29%) and conjugated oxymorphone (13-14%). The window of detection for Oxycodone in urine is expected to be similar to that of other opioids such as morphine.

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) is a rapid urine screening test that can be performed without the use of an instrument. The test utilizes a monoclonal antibody to selectively detect elevated levels of Oxycodone in urine. ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when Oxycodone in urine exceeds 100ng/mL.

# Cotinine (COT200)

Cotinine is the first-stage metabolite of nicotine, a toxic alkaloid that produces stimulation of the autonomic ganglia and central nervous system when in humans. Nicotine is a drug to which

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virtually every member of a tobacco-smoking society is exposed whether through direct contact or second-hand inhalation. In addition to tobacco, nicotine is also commercially available as the active ingredient in smoking replacement therapies such as nicotine gum, transdermal patches and nasal sprays.

In a 24-hour urine, approximately 5% of a nicotine dose is excreted as unchanged drug with 10% as cotinine and 35% as hydroxycotinine; the concentrations of other metabolites are believed to account for less than 5%.<sup>1</sup> While cotinine is thought to be an inactive metabolite, it's elimination profile is more stable than that of nicotine which is largely urine pH dependent. As a result, cotinine is considered a good biological marker for determining nicotine use. The plasma half-life of nicotine is approximately 60 minutes following inhalation or parenteral administration. 2 Nicotine and cotinine are rapidly eliminated by the kidney; the window of detection for cotinine in urine at a cutoff level of 200ng/mL is expected to be up to 2-3 days after nicotine use.

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of Cotinine in urine exceeds 200ng/ml

# Cotinine (COT 100)

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of Cotinine in urine exceeds 100 ng/mL. See Cotinine(COT200) for the summary.

**2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine (EDDP 300)** Methadone is an unusual drug in that its primary urinary metabolites (EDDP and EMDP) are cyclic in structure, making them very difficult to detect using immunoassays targeted to the native compound.<sup>1</sup> Exacerbating this problem, there is a subsection of the population classified as "extensive metabolizers" of methadone. In these individuals, a urine specimen may not contain enough parent methadone to yield a positive drug screen even if the individual is in compliance with their methadone maintenance. EDDP represents a better urine marker for methadone maintenance than unmetabolized methadone.

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of EDDP in urine exceeds 300ng/mL. At present, the Substance Abuse and Mental Health Services Administration (SAMHSA) does not have a recommended screening cut-off for EDDP positive specimens.

2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine (EDDP 100) ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of EDDP in urine exceeds 100ng/mL. See 2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine (EDDP300)forthe summary.

# Fentanyl (FYL20)

Fentanyl, belongs to powerful narcotics analgesics, and is a  $\mu$  special opiates receptor stimulant. Fentanyl is one of the varieties that been listed in management of United Nations "Single Convention of narcotic drug in 1961". Among the opiates agents that under international control, fentanyl is one of the most commonly used to cure moderate to severe pain1. After continuous injection of fentanyl, the sufferer will have the performance of protracted opioid abstinence syndrome, such as ataxia and irritability etc<sup>2,3</sup>, which presents the addiction after taking fentanyl in a long time. Compared with drug addicts of amphetamine, drug addicts who take fentanyl mainly have got the possibility of higher infection rate of HIV, more dangerous injection behavior and more lifelong medication overdose<sup>4</sup>.

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) is a rapid urine screening test that can be performed without the use of an instrument. The test utilizes a monoclonal antibody to selectively detect elevated levels of FYL in urine. ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when FYL in urine exceeds 20ng/mL.

# Fentanyl (FYL10)

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of Norfentanyl in urine exceeds 10ng/mL. See FYL20 for the summary.

# Synthetic Marijuana (K2-50)

Synthetic Marijuana or K2 a psychoactive herbal and chemical product that, when consumed, mimics the effects of Marijuana. It is best known by the brand names K2 and Spice, both of which have largely become genericized trademarks used to refer to any synthetic Marijuana product. The studies suggest that synthetic

marijuana intoxication is associated with acute psychosis, worsening of previously stable psychotic disorders, and also may have the ability to trigger a chronic (long-term) psychotic disorder among vulnerable individuals such as those with a family history of mental illness.

Elevated levels of urinary metabolites are found within hours of exposure and remain detectable for 72 hours after smoking (depending on usage/dosage). As of March 1, 2011, five cannabinoids, JWH -018, JWH- 073, CP- 47, JWH- 200 and cannabicyclo hexanol are now illegal in the US because these substances have the potential to be extremely harmful and, therefore, pose an imminent hazard to the public safety.

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the synthetic marijuana metabolite in urine exceeds 50ng/mL.

#### Synthetic Marijuana (K2-30)

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of the synthetic marijuana metabolite in urine exceeds 30ng/mL. See K2-50 for the summary. **6-mono-acetyl-morphine (6-MAM10)** 

6-Monoacetylmorphine (6-MAM) or 6-acetylmorphine (6-AM) is one of three active metabolites of heroin (diacetylmorphine), the others being morphine and the much less active 3-monoacetylmorphine (3-MAM). 6-MAM is rapidly created from heroin in the body, and then is either metabolized into morphine or excreted in the urine. 6-MAM remains in the urine for no more than 24 hours. So a urine specimen must be collected soon after the last heroin use, but the presence of 6-MAM guarantees that heroin was in fact used as recently as within the last day. 6-MAM is naturally found in the brain, but in such small quantities that detection of this compound in urine virtually guarantees that heroin has recently been consumed.

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of the 6-Monoacetylmorphine in urine exceeds 10ng/mL.

#### Ethyl Glucuronide (ETG 500)

Ethyl glucuronide (ETG) is a metabolite of ethyl alcohol which is formed in the body by glucuronidation following exposure to ethanol, usually from drinking alcoholic beverages. After Alcohol is absorbed by the body, 90-95% Alcohol is oxidized with the help of emzymes. Only 0.5%-1.5% Alcohol integrates with glucose into Ethyl Glucuronide. ETG remains in urine longer period than Alcohol. When low Alcohol volume is drunk (such as 0.1g/kg), ETG detection window varies from 13-20hours after drinking. However, maximum ETG detection window can be 80 hours for high Alcohol volume drinking.

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the Ethyl Glucuronide in urine exceeds 500ng/mL.

#### Ethyl Glucuronide (ETG 1000)

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the Ethyl Glucuronide in urine exceeds 1000ng/mL. See ETG500 for the summary.

#### Pregabalin(PGB700)

Pregabalin, sold under the trade name Lyrica®, an analog of the inhibitory neurotransmitter gamma-aminobutyric acid and also of gabapentin, has been used clinically since 2002 as an analgesic, anticonvulsant and anxiolytic agent. It is supplied as the free drug in 25-300mg capsules for oral administration. Adult dose are normally within a range of 50-200mg thrice daily.

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of barbiturates in urine exceeds 700ng/mL. At present, the Substance Abuse and Mental Health Services Administration (SAMHSA) does not have a recommended screening cut-off for Pregabalin positive specimens.

### Pregabalin(PGB2000)

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the Pregabalin in urine exceeds 2000ng/mL. See PGB700 for the summary.

#### Pregabalin(PGB500)

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the Pregabalin in urine exceeds 500ng/mL See PGB700 for the summary

#### Synthetic Marijuana K3+ (AB-Pinaca)

Synthetic cannabinoids are designer drugs that are structurally

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different from THC (the active component of cannabis) but act in similar ways to affect the cannabinoid receptor system in the brain. Over the past few years, this class of designer drugs has mainstreamed to become globally popular and increasingly problematic. Synthetic cannabinoids fall into seven major structural groups:

1 .Naphthoylindoles (e.g. JWH-018, JWH-073)

2. Naphthylmethylindoles (JWH-175, JWH-184, JWH-185, JWH-199)

3 .Naphthoylpyrroles (JWH-145, JWH-146, JWH-147, etc)

4. Naphthylmethylindenes (JWH-176)

5. Phenylacetylindoles (JWH-250, JWH-251, JWH-302)

6. Cyclohexylphenols (e.g. CP 47,497)

7. Dibenzopyrans (classic cannabinoid structure such as. HU-210 and HU-211)

New structural group: Aminoalkylindazoles (AB-PINACA, AB-FUBINACA, AB-CHMINACA, etc)

In their original, chemical state, synthetic cannabinoids are liquid. The drugs are usually sold combined with dried herbs that emulate marijuana and are intended for smoking although powdered versions are also available. As laws are written to control these drugs with each new synthetic cannabinoid class as they are introduced to the market, the older versions (JWH-018,JWH-073) are seen less frequently than years past. The current trend shows the aminoalkylindazole based drugs such as AB-PINACA, AB-FUBINACA and AB-CHMINACA.

as AB-PINACA, AB-FUBINACA and AB-CHMINACA. ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the AB-PINACA pentanoic acid metabolite in urine exceeds 10ng/mL.

#### Zolpidem(ZOL)

Zolpidem is a non-benzodiazepine hypnotic sold under the trade names Ambien<sup>®</sup>, Stilnox<sup>®</sup> and Edluar<sup>®</sup> for the treatment of insomnia. Zolpidem has not adequately demonstrated effectiveness in maintaining sleep, unless delivered in a controlled-release (CR) form. However, it is effective in initiating sleep.It works quickly, usually within 15 minutes, and has a short half-life of 2-3 hours. Because the characteristic of quick effect, low side effect, etc, Zolpidem has the trend of gradually replacing the barbiturates and benzodiazepine sleeping pills. The result of its widely used and easily obtained, the criminal cases showed a trend of rising. Zolpidem Phenyl-4-carboxylic acid is the major urinary metabolite of zolpidem, accounting for 51% of an administered dose. Literature references indicate the metabolite can be found in urine after ingesting a single therapeutic dose of zolpidem, for 2-3 days. Only 1% Zolpidem was extracted with original version by urine.<sup>12,13</sup>

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the Zolpidem Phenyl-4-carboxylic acid (ZOL metabolite) in urine exceeds 50ng/mL.

## Zopiclone (ZOP)

Zopiclone (Imovane, Noctirex, Ximovane, Zimovane) is a racemic cyclopyrrolone derivative that has been utilized clinically as a hypnotic agent since 1994. The adverse reactions associated with zopiclone therapy include nausea, dizziness, headache, anterograde amnesia and respiratory depression. Reversible renal failure has been reported. Zopiclone is known to undergo biotransformation via N-demethylation, N-oxidation and ester hydrolysis. A single oral dose is excreted in the 24 hour urine as parent (4.5%), zopiclone-N-oxide (11%) and N-desmethylzopiclone (15%).

With the widespread clinical application of these drugs, the use of zopiclone to carry out narcotic robbery, rape, murder and other cases has been reported from time to time<sup>14</sup>,There have also been incidents of suicide by mistake or oral zopiclone<sup>15</sup>.

In urine, the N-demethyl and N-oxide metabolites account for 30% of the initial dose. Between 7 and 10% of zopiclone is recovered from the urine, indicating extensive metabolism of the drug before excretion.

The time limit for urine testing is longer than that for blood and plasma. For therapeutic doses of zopiclone, the testing window for blood is 6-20 hours, and urine is about 24-48 hours<sup>16-17</sup>.

In drug crimes, high-dose drugs may be used, and the maximum time window for the detection of zopiclone in the blood can reach 48h, and the urine is  $72h^{18}$ .

result when Zopiclone in urine exceeds 50ng/mL.

3,4-methylenedioxypyrovalerone (MDPV3000)

3,4-methylenedioxypyrovalerone (MDPV) is a psychoactive recreational drug with stimulant properties which acts as a norepinephrine-dopamine reuptake inhibitor (NDRI). It was first developed in the 1960s by a team at Boehringer Ingelheim. MDPV remained an obscure stimulant until around 2004 when it was reportedly sold as a designer drug. The recreational use of MDPV in the USA has become more prevalent since late 2010 and it is now illegal in many states<sup>19</sup>.

Products labeled as bath salts containing MDPV were previously sold as recreational drugs in gas stations and convenience stores in the United States, similar to the marketing for Spice and K2 as incense. MDPV is the 3,4-methylenedioxy ring-substituted analog of the compound pyrovalerone, developed in the 1960s, which has been used for the treatment of chronic fatigue and as an anorectic, but caused problems of abuse and dependence. However, despite its structural similarity, the effects of MDPV bear little resemblance to other methylenedioxy phenylalkylamine derivatives such as 3,4-methylenedioxy-N-methylamphetamine (MDMA), instead producing primarily stimulant effects with only mild entactogenic qualities. MDPV undergoes CYP450 2D6, 2C19, 1A2, and COMT phase 1 metabolism (liver) into methylcatechol and pyrrolidine, which in turn are glucuronated (uridine 5'-diphospho-glucuronosyl-transferase) allowing it to be excreted by the kidneys, with only a small fraction of the metabolites being excreted into the stools. No free pyrrolidine will be detected in the urine.

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when 3,4-methylenedioxypyrovalerone in urine exceed 3000 ng/mL.

#### 3,4-methylenedioxypyrovalerone (MDPV1000)

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) yields a positive result when the concentration of the 3,4-methylenedioxypyrovalerone in urine exceeds 1000ng/mL. See MDPV3000 for the summary.

### PRINCIPLE

ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) is an immunoassay based on the principle of competitive binding. Drugs which may be present in the urine specimen compete against their respective drug conjugate for binding sites on their specific antibody.

During testing, a urine specimen migrates upward by capillary action. A drug, if present in the urine 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 region of the specific drug strip. The presence of drug above the cut-off concentration will saturate all the binding sites of the antibody. Therefore, the colored line will not form in the test region.

A drug-positive urine specimen will not generate a colored line in the specific test region of the strip because of drug competition, while a drug-negative urine specimen will generate a line in the test region because of the absence of drug competition.

To serve as a procedural control, a colored line will always appear at the control region, indicating that proper volume of specimen has been added and membrane wicking has occurred.

#### REAGENTS

Each test line contains anti-drug mouse monoclonal antibody and corresponding drug-protein conjugates. The control line contains goat anti-rabbit IgG polyclonal antibodies and rabbit IgG.

# PRECAUTIONS

- For healthcare professionals including professionals at point of care sites.
- Immunoassay for in vitro diagnostic use only. The test card should remain in the sealed pouch until use.
- All specimens should be considered potentially hazardous and handled in the same manner as an infectious agent.
- The used test panel should be discarded according to federal, state and local regulations.

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Store as packaged in the sealed pouch at 2-30°C. The test is stable through the expiration date printed on the sealed pouch. The test panels must remain in the sealed pouch until use. **DO NOT FREEZE**. Do not use beyond the expiration date.

# SPECIMEN COLLECTION AND PREPARATION Urine Assay

The urine specimen should be collected in a clean and dry container. Urine collected at any time of the day may be used. Urine specimens exhibiting visible precipitates should be centrifuged, filtered, or allowed to settle to obtain a clear specimen for testing.

## Specimen Storage

Urine specimens may be stored at 2-8°C for up to 48 hours prior to testing. For prolonged storage, specimens may be frozen and stored below -20°C. Frozen specimens should be thawed and mixed well before testing.

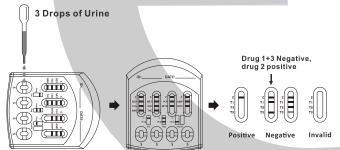
# MATERIALS

Materials Provided Test Cassettes Package insert Droppers Materials Required But Not Provided Specimen collection container Timer

#### **TEST PROCEDURE**

Allow the test, urine specimen, and/or controls to reach room temperature (15-30°C) prior to testing.

- 1. Bring the pouch to room temperature before opening it. Remove the test cassette from the sealed pouch and use it as soon as possible.
- 2. Place the test cassette on a clean and level surface. Hold the dropper vertically and transfer **3 full drops** of urine (approx.**120**  $\mu$ L) to the specimen well (S) of the test cassette, and then start the timer. Avoid trapping air bubbles in the specimen well (S). See the illustration below.
- 3. Wait for the colored line(s) to appear. Read results at **5 minutes**. Do not interpret the result after 10 minutes.



## INTERPRETATION OF RESULTS

(Please refer to the illustration above)

**NEGATIVE:**\* A colored line appears in the Control region (C) and colored lines appears in the Test region (T). This negative result means that the concentrations in the urine sample are below the designated cut-off levels for a particular drug tested.

**\*NOTE:** The shade of the colored lines(s) in the Test region (T) may vary. The result should be considered negative whenever there is even a faint line.

**POSITIVE:** A colored line appears in the Control region (C) and NO line appears in the Test region (T). The positive result means that the drug concentration in the urine sample is greater than the designated cut-off for a specific drug.

**INVALID:** No line appears in the Control region (C). Insufficient specimen volume or incorrect procedural techniques are the most likely reasons for Control line failure. Read the directions again and repeat the test with a new test card. If the result is still invalid, contact your manufacturer.

#### QUALITY CONTROL

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

#### and correct procedural technique.

Control standards are not supplied with this kit. However, it is recommended that positive and negative controls be tested as good laboratory practice to confirm the test procedure and to verify proper test performance.

#### LIMITATIONS

- 1. ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) provides only a qualitative, preliminary analytical result. A secondary analytical method must be used to obtain a confirmed result. Gas chromatography/mass spectrometry (GC/MS) is the preferred confirmatory method.<sup>1,10</sup>
- There is a possibility that technical or procedural errors, as well as interfering substances in the urine specimen may cause erroneous results.
- 3. Adulterants, such as bleach and/or alum, in urine specimens may produce erroneous results regardless of the analytical method used. If adulteration is suspected, the test should be repeated with another urine specimen.
- 4. A positive result does not indicate level or intoxication, administration route or concentration in urine.
- 5. A negative result may not necessarily indicate drug-free urine. Negative results can be obtained when drug is present but below the cut-off level of the test.
- 6. This test does not distinguish between drugs of abuse and certain medications.
- 7. A positive test result may be obtained from certain foods or food supplements.

#### EXPECTED VALUES

This negative result indicates that the drug concentration is below the detectable level. Positive result means the concentration of drug is above the detectable level.

### PERFORMANCE CHARACTERISTICS

#### Accuracy

A side-by-side comparison was conducted using ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) and commercially available drug rapid tests. Testing was performed on approximately 250 specimens per drug type previously collected from subjects presenting for Drug Screen Testing. Presumptive positive results were confirmed by GC/MS. The following results were tabulated from these clinical studies:

Method		GC/MS		% Agreement	Overall	
ACCU-TELL <sup>®</sup> Multi-Li Cassette (Urine)	ne Drug	Pos.	Neg.	with GC/MS	agreement	
Methamphetamine	Positive	165	9	>99.9%	07.40/	
(MET 1,000ng/ml)	Negative	0	176	95.1%	97.4%	
Methamphetamine	Positive	168	6	>99.9%	98.3%	
(MET 500ng/ml)	Negative	0	176	96.7%		
Methamphetamine	Positive	169	5	>99.9%	00.00/	
(MET 300ng/ml)	Negative	0	176	97.2%	98.6%	
Cocaine	Positive	120	8	97.6%	96.3%	
(COC 300ng/ml)	Negative	3	169	95.4%	90.3%	
Cocaine	Positive	126	12	98.4%	05 49/	
(COC 100ng/ml)	Negative	2	165	93.2%	95.4%	
Cocaine	Positive	105	0	99.1%	99.6%	
(COC 150ng/ml)	Negative	1	144	>99.9%	53.0%	
Marijuana	Positive	117	9	99.2%	97.3%	
(THC50ng/ml)	Negative	1	193	95.5%	97.3%	
Marijuana	Positive	137	6	97.8%	97.5%	
(THC150ng/ml)	Negative	3	184	96.8%	97.5%	
Marijuana	Positive	117	9	99.2%	06.0%	
(THC25ng/ml)	Negative	1	193	95.5%	96.9%	
Amphetamine	Positive	161	4	97.0%	97.6%	
(AMP 1,000ng/ml)	Negative	5	210	98.1%	97.0%	
Amphetamine	Positive	165	5	98.8%	98.2%	
(AMP 500ng/ml)	Negative	2	208	97.7%	90.27	
Amphetamine	Positive	168	3	99.4%	98.9%	
(AMP 300ng/ml)	Negative	1	208	98.6%	90.9%	
Benzodiazepines	Positive	136	2	97.1%	98.0%	
(BZO 300ng/ml)	Negative	4	158	98.8%	96.0%	
Benzodiazepines	Positive	137	2	97.2%	98.0%	
(BZO 200ng/ml)	Negative	4	157	98.7%	90.0%	
Benzodiazepines	Positive	138	2	97.9%	00.00/	
(BZO 100ng/ml)	Negative	3	157	98.7%	98.3%	
Methadone	Positive	123	4	99.2%	09.29/	
(MTD 300ng/ml)	Negative	1	172	97.7%	98.3%	
Methadone	Positive	123	4	99.2%	09.20/	
(MTD 200ng/ml)	Negative	1	172	97.7%	98.3%	
Barbiturates	Positive	129	2	93.5%	06.29/	
(BAR 300ng/ml)	Negative	9	160	98.8%	96.3%	
Barbiturates	Positive	135	2	94.4%	07 10/	
(BAR 200ng/ml)	Negative	8	155	98.7%	97.1%	

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	ACC	ura	ite, R	'e	liable	, Cos	it Ei	ffective
Tricyclic	Posi	tive	122		15	97.	6%	
Antidepressants			3		210	93.	3%	94.9%
(TCA 1000ng/ml)	Nega		400					
Methylenedioxy methamphetamine	Posi		132		1	>99	.9%	99.7%
(MDMA 500ng/ml)	Nega	ative	0		172	99.	4%	001170
Morphine	Posi		142		5	>99		97.8%
(MOP 300ng/ml) Morphine	Nega Posi		0		163 4	97.		-
(MOP 100ng/ml)	Neg		123 1		4	99. 97.		98.4%
Phencyclidine	Posi		131		1	>99		99.7%
(PCP 25ng/ml)	Neg		0		181	99.		99.7 %
Propoxyphene (PPX 300ng/ml)	Posi Nega		95 4		3 148	96. 98.		97.2%
Opiate	Posi		116		140	94.		00.00/
(OPI 2000ng/ml)	Nega		7		116	91.	3%	96.0%
Methaqualone	Posi		98 1		2	99.		98.8%
(MQL 300ng/ml) Tramadol	Nega Posi		98		149 2	98. 99.		
(TML 100ng/ml)	Neg		1		149	98.		98.8%
Buprenorphine	Posi		99		1	99.	0%	99.2%
(BUP 10ng/ml)	Nega		1		149	99.		00.270
Ketamine (KET 1000ng/ml)	Posi		102 6		9 133	94.		94.0%
Ketamine	Posi		113		9	96.		94.8%
(KET 500ng/ml)	Nega	ative	4		124	93.		94.0%
Ketamine (KET 300ng/ml)	Posi Nega		109 7		11 123	94. 91.		92.8%
Oxycodone	Posi		104		125	91.		00.004
(OXY 100ng/ml)	Nega		2		143	99.		98.8%
СОТ	Posi		87		4	94.		96.4%
200	Neg	-	5		154	97.		
COT 100	Posi Nega		91 4		3 152	95. 98.		97.2%
EDDP	Posi		82	_	5	98.		
300	Neg		1	_	112	95.		97.0%
EDDP	Posi	tive	87		6	96.	7%	95.5%
100	Nega		3		104	94.		95.5%
FYL	Posi		108		10	99.		95.6%
20	Nega Posi		1 110		131 13	92.		
FYL 10	Nega		1		126	99.		94.4%
	Posi		62		3	96.		
K2-50	Neg		2		233	98.		98.3%
K2-30	Posi	tive	66		3	98.	5%	98.6%
K2-30	Nega		2		230	98.	7%	90.0%
6-MAM10	Posi		36		0	>99		>99%
	Nega		0 178		128 2	>99		
ETG 500	Posi Nega		4		221	97. 99.		98.5%
	Posi		179		2	97.		
ETG 1000	Neg	ative	4		223	99.		98.5%
PGB700	Posi	tive	12		0	>99	9%	>99%
. 50/00	Nega		0		75	>99		~ 33/0
PGB2000	Posi		29		0	>99		>99%
	Nega Posi		0 29		110 0	>99		-
PGB 500	Nega		29		110	>9		>99%
701.50	Posi		148		2	98.		
ZOL50	Nega		3		236	99.		98.7%
ZOP50	Posi	_	35		2	97.	2%	96.4%
20100	Nega		1		46	95.		50.470
MDPV3000	Posi		22		0	-	9%	>99%
	Nega Posi		0		128 0	>9	9% 9%	
MDPV1000	Nega		0		128	>9		>99%
Met						MS/MS	2,0	Total
SMK K3+ (AB-Pinaca		Res			Positive	Nega	tive	Results
		Posi			4	0		4
Total Results			auve	-	0 4	40		40 44
% F	Agreem	ent			>99%	>99	1%	>99%
				·				·

\* Clinical samples for each drug were run using each of ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) by an untrained operator at a professional point of care site. Based on GC/MS data, the operator obtained statistically similar positive agreement, negative agreement and overall agreement rates as trained laboratory personnel.

#### Precision

A study was conducted at three hospitals by untrained operators using three different lots of product to demonstrate the within run, between run and between operator precision. An identical card of coded specimens, containing drugs at concentrations of  $\pm 50\%$  and  $\pm 25\%$  cut-off level, was labeled, blinded and tested at each site. The correlation with expected results was >99% across all lots and

sites (with a 95% confidence interval).

### Analytical Sensitivity

A drug-free urine pool was spiked with drugs to various concentrations. >99% agreement with expected results was found at  $\pm$ 50% cut-off for each drug tested (with a 95% confidence interval).

# **Analytical Specificity**

The following table lists the concentrations of compounds (ng/mL) that are detected as positive in urine by ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) at 5 minutes.

Analytes	Concentration (ng/mL)	Analytes	Concentratio (ng/mL)
DI Assolution 17.1	AMPHETAMINE		000
D,L-Amphetamine sulfate	200	Phentermine Maprotiline	800
L-Amphetamine	25,000	Methoxyphenamine	50,000 6,000
(±) 3,4-Methylenedioxy amphetamine	400	D-Amphetamine	1,000
amphetamine	AMPHETAMIN		1,000
D,L-Amphetamine sulfate	100	Phentermine	400
L-Amphetamine	12,500	Maprotiline	25,000
(±) 3,4-Methylenedioxy	12,300	Methoxyphenamine	3,000
amphetamine	200	D-Amphetamine	500
amphetamine	AMPHETAMIN		1900
D,L-Amphetamine sulfate	70	Phentermine	300
L-Amphetamine	10,000	Maprotiline	12,500
(±) 3,4-Methylenedioxy	10,000	Methoxyphenamine	2,000
amphetamine	150	D-Amphetamine	300
amphetamine	BARBITURATE		1300
Amobarbital	3,000	Alphenol	300
5,5-Diphenylhydantoin	6,000	Aprobarbital	450
Allobarbital	450	Butabarbital	150
Barbital	6,000	Butalbital	6,000
Talbutal	30	Butaibitai	
Taibutai Cyclopentobarbital	25,000	Phenobarbital	450 300
Pentobarbital	7		
encobarbitat	6,000	Secobarbital	300
Amehorbital	BARBITURATE		200
Amobarbital	2,000	Alphenol	200
5,5-Diphenylhydantoin	4,000	Aprobarbital	300
Allobarbital	300	Butabarbital	100
Barbital	4,000	Butalbital	4,000
Talbutal	20	Butethal	300
Cyclopentobarbital	17,000	Phenobarbital	200
Pentobarbital	4,000	Secobarbital	200
	BENZODIAZEPIN	_ ` _ /	
Alprazolam	100	Bromazepam	780
a-hydroxyalprazolam	1,500	Chlordiazepoxide	780
Clobazam	200	Nitrazepam	200
Clonazepam	390	Norchlordiazepoxide	100
Clorazepate dipotassium	390	Nordiazepam	780
Delorazepam	780	Oxazepam	300
Desalkylflurazepam	200	Temazepam	100
Flunitrazepam	200	Diazepam	1,500
( <u>±) Lo</u> razepam	3,100	Estazolam	6,250
RS-Lorazepam glucuronide	200	Triazolam	3,100
Midazolam	6,250		
	BENZODIAZEPIN		-
Alprazolam	70	Bromazepam	520
a-hydroxyalprazolam	1,000	Chlordiazepoxide	520
Clobazam	120	Nitrazepam	120
Clonazepam	260	Norchlordiazepoxide	70
Clorazepate dipotassium	260	Nordiazepam	520
Delorazepam	520	Oxazepam	200
Desalkylflurazepam	120	Temazepam	70
Flunitrazepam	120	Diazepam	1,000
(±) Lorazepam	2,000	Estazolam	4,200
RS-Lorazepam glucuronide	120	Triazolam	2,000
Vidazolam	4,200		
E	BENZODIAZEPIN	IES (BZO 100)	
Alprazolam	40	Bromazepam	260
a-hydroxyalprazolam	500	Chlordiazepoxide	260
Clobazam	60	Nitrazepam	60
Clonazepam	130	Norchlordiazepoxide	40
Clorazepate dipotassium	130	Nordiazepam	260
Delorazepam	260	Oxazepam	100
Desalkylflurazepam	60	Temazepam	400
Flunitrazepam	60	Diazepam	500
(±) Lorazepam	1,000	Estazolam	2,100
RS-Lorazepam glucuronide	60	Triazolam	1,000
Vidazolam	2,100		-
	BUPRENORPI	HINE (BUP)	
Buprenorphine	10	Norbuprenorphine	50
Buprenorphine		Norbuprenorphine	
3-D-Glucuronide	50	3-D-Glucuronide	100
	COCAINE (0		1
Benzoylecgonine	300	Cocaethylene	12,500
Cocaine HCI	200	Ecgonine	30,000
	COCAINE (		00,000
			F 000
Benzovlecgonine	100	Cocaethylene	
Benzoylecgonine Cocaine HCl	100 80	Cocaethylene Ecgonine	5,000 10,000

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í l	COCAINE (C	OC 150)	
Benzoylecgonine	150	Cocaethylene	6,250
Cocaine HCI	100	Ecgonine	15,000
	MARIJUANA	(THC50)	
Cannabinol	20,000	∆8-THC	15,000
11-nor-△8- THC-9 COOH	30	∆9-THC	15,000
11-nor-△9-THC-9 COOH	50		
	MARIJUANA	, ,	
Cannabinol	60,000	∆8-THC	45,000
11-nor-∆8- THC-9 COOH	180	∆9-THC	45,000
11-nor-△9-THC-9 COOH	150		
	MARIJUANA	(THC25)	
Cannabinol	10,000	∆8-THC	7,500
11-nor-△8- THC-9 COOH	15	∆9-THC	7,500
11-nor-△9-THC-9 COOH	25		
	METHADONE	(MTD300)	
Methadone	300	Doxylamine	100,000
	METHADONE	(MTD200)	
Methadone	200	Doxylamine	67,000
MET	HAMPHETAMI	NE (MET1, 000)	
ρ-Hydroxymethamphetamine	25,000	(±)-3,4-Methylenedioxy-	6,250
D-Methamphetamine	1,000	methamphetamine	0,230
L-Methamphetamine	12,500	Mephentermine	50,000
ME	THAMPHETAM	INE (MET500)	
ρ-Hydroxymethamphetamine	12,500	(±)-3,4-Methylenedioxy-	0.000
D-Methamphetamine	500	methamphetamine	3,000
L-Methamphetamine	9,000	Mephentermine	25,000
	THAMPHETAM		
ρ-Hydroxymethamphetamine	7,500	(±)-3,4-Methylenedioxy-	4 000
D-Methamphetamine	300	methamphetamine	1,800
L-Methamphetamine	3,750	Mephentermine	15,000
		TAMINE (MDMA500) Ecs	
(±)			·
3,4-Methylenedioxy	500	3,4-Methylenedioxyethyl	300
methamphetamine HCI		-amphetamine	
(±)			
3,4-Methylenedioxyamphetami	3,000		
ne HCl	-,		
	MORPHINE (MC	0P/OPI 300)	1
Codeine	200	Norcodeine	6,000
Levorphanol	1,500	Normorphone	50,000
Morphine-3-β-D-Glucuronide			
	800	Oxycodone	30,000
Ethylmorphine	6,000	Oxymorphone	50,000
Hydrocodone	50,000	Procaine	15,000
Hydromorphone	3,000	Thebaine	6,000
6-Monoacethylmorphine	400	Morphine	300
	MORPHINE (MC	JP/OPI 100)	
Codeine	80	Norcodeine	2,000
Levorphanol	500	Normorphone	20,000
Levorphanol Morphine-3-β-D-Glucuronide	500 300	Normorphone Oxycodone	20,000 10,000
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine	500 300 2,000	Normorphone Oxycodone Oxymorphone	20,000 10,000 20,000
Levorphanol Morphine-3-β-D-Glucuronide	500 300 2,000 20,000	Normorphone Oxycodone	20,000 10,000
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone	500 300 2,000	Normorphone Oxycodone Oxymorphone	20,000 10,000 20,000
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone	500 300 2,000 20,000 1,000 100	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine	20,000 10,000 20,000 5,000
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone	500 300 2,000 20,000 1,000	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine	20,000 10,000 20,000 5,000 2,000
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone	500 300 2,000 20,000 1,000 100	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine	20,000 10,000 20,000 5,000 2,000
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine	500 300 2,000 20,000 1,000 100 Methaqualone	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300)	20,000 10,000 20,000 5,000 2,000
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine	500 300 2,000 20,000 1,000 100 <b>Methaqualone</b> 300	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300)	20,000 10,000 20,000 5,000 2,000
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone	500 300 2,000 1,000 100 Methaqualone 300 OPIATE (OP	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300)	20,000 10,000 20,000 5,000 2,000 100
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine	500 300 2,000 1,000 100 Methaqualone 300 OPIATE (OP 2,000	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) 12,000) Morphine Norcodeine	20,000 10,000 20,000 5,000 2,000 100 2,000
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone	500 300 2,000 20,000 1,000 100 Methaqualone 300 OPIATE (OP 2,000 3,000 50,000	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) 1 2,000) Morphine Norcodeine Normorphone	20,000 10,000 20,000 5,000 2,000 100 2,000 2,000 25,000
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hydrocodone	500 300 20,000 1,000 100 Methaqualone 300 OPIATE (OP 2,000 3,000 50,000 12,500	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) 12,000) Morphine Norcodeine Norcodeine Normorphone Oxycodone	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 50,000 25,000
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hydromorphone Levorphanol	500 300 20,000 1,000 100 Methaqualone 300 OPIATE (OP 2,000 3,000 50,000 12,500 25,000	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) 1 2,000) Morphine Norcodeine Normorphone	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 25,000 25,000 25,000 25,000
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hydromorphone Levorphanol 6-Monoacetylmorphine	500 300 2,000 1,000 100 <b>Methaqualone</b> 300 <b>OPIATE (OF</b> 2,000 3,000 50,000 12,500 25,000 3,000	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) 12,000) Morphine Norcodeine Normorphone Oxycodone Oxymorphone Procaine	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 25,000 25,000 25,000 50,000 25,000 50,000
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hydromorphone Levorphanol	500 300 2,000 1,000 100 Methaqualone 300 OPIATE (OP 2,000 3,000 50,000 12,500 25,000 3,000 2,000	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) I 2,000) Morphine Norcodeine Normorphone Oxycodone Oxymorphone Procaine Thebaine	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 25,000 25,000 25,000 25,000
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hydromorphone Levorphanol 6-Monoacetylmorphine Morphine 3-β-D-glucuronide	500 300 2,000 1,000 100 Methaqualone 300 OPIATE (OP 2,000 3,000 50,000 12,500 25,000 3,000 2,000 PHENCYCLID	Normorphone Oxycodone Oxycodone Procaine Thebaine Morphine (MQL 300) 12,000) Morphine Norcodeine Normorphone Oxycodone Oxymorphone Procaine Thebaine INE (PCP)	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hydromorphone Levorphanol 6-Monoacetylmorphine	500 300 2,000 1,000 1,000 100 Methaqualone 300 OPIATE (OP 2,000 3,000 50,000 12,500 25,000 3,000 PHENCYCLID 25	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) 12,000) Morphine Norcodeine Norcodeine Norcodeine Oxycodone Oxycodone Oxymorphone Procaine Thebaine NE (PCP) 4-Hydroxyphencyclidine	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 25,000 25,000 25,000 50,000 25,000 50,000
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hydrocodone Hydromorphone Levorphanol 6-Monoacetylmorphine Morphine 3-β-D-glucuronide Phencyclidine	500 300 20,000 1,000 100 Methaqualone 300 OPIATE (OP 2,000 3,000 12,500 25,000 3,000 2,000 PHENCYCLID 25 PROPOXYPHE	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) 12,000) Morphine Norcodeine Normorphone Oxycodone Oxycodone Oxymorphone Procaine Thebaine Ne (PCP) 4-Hydroxyphencyclidine ENE (PPX)	20,000 10,000 20,000 5,000 2,000 100 2,000 25,0
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hydrocodone Hydromorphone Levorphanol 6-Monoacetylmorphine Morphine 3-β-D-glucuronide Phencyclidine D-Propoxyphene	500 300 20,000 1,000 100 Methaqualone 300 OPIATE (OP 2,000 3,000 50,000 12,500 25,000 3,000 20,000 PHENCYCLID 25 PROPOXYPHE 300	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) 12,000) Morphine Norcodeine Norcodeine Normorphone Oxycodone Oxymorphone Procaine Thebaine NE (PCP) 4-Hydroxyphencyclidine ENE (PPX) D-Norpropoxyphene	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hydrocodone Hydromorphone Levorphanol 6-Monoacetylmorphine Morphine 3-β-D-glucuronide Phencyclidine D-Propoxyphene TRICY	500 300 20,000 1,000 100 Methaqualone 300 OPIATE (OP 2,000 3,000 50,000 12,500 25,000 3,000 20,000 PHENCYCLID 25 PROPOXYPHE 300 CLIC ANTIDEPI	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) 12,000) Morphine Norcodeine Normorphone Oxycodone Oxycodone Oxycodone Oxymorphone Procaine Thebaine NHE (PCP) 4-Hydroxyphencyclidine ENE (PPX) D-Norpropoxyphene RESSANTS (TCA)	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 50,000 25,000 50,000 25,000 50,000 25,000 50,000 25,000 50,000 25,000 50,000 25,0
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hydromorphone Levorphanol 6-Monoacetylmorphine Morphine 3-β-D-glucuronide Phencyclidine D-Propoxyphene TRICY Nortriptyline	500 300 2,000 1,000 1,000 100 Methaqualone 300 OPIATE (OF 2,000 3,000 50,000 12,500 25,000 3,000 2,000 PHENCYCLID 25 PROPOXYPHE 300 CLIC ANTIDEPI 1,000	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) 12,000) Morphine Norcodeine Normorphone Oxycodone Oxycodone Oxycodone Procaine Thebaine Nhe (PCP) 4-Hydroxyphencyclidine ENE (PPX) D-Norpropoxyphene RESSANTS (TCA) Imipramine	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 300 400
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hyd	500 300 2,000 20,000 1,000 100 Methaqualone 300 OPIATE (OP 2,000 3,000 50,000 12,500 25,000 3,000 PHENCYCLID 25 PROPOXYPHE 300 CLIC ANTIDEPI 1,000 400	Normorphone Oxycodone Oxycodone Procaine Thebaine Morphine (MQL 300) I 2,000) Morphine Norcodeine Normorphone Oxycodone Oxycodone Oxycodone Oxycodone Normorphone Procaine Thebaine INE (PCP) 4-Hydroxyphencyclidine ERESANTS (TCA) Imipramine Clomipramine	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 25,000 25,000 25,000 25,000 25,000 300 400 50,000
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hydrocodone Hydrocodone Hydromorphone Levorphanol 6-Monoacetylmorphine Morphine 3-β-D-glucuronide Phencyclidine D-Propoxyphene TRICY Nortriptyline Nordoxepine Trimipramine	500           300           2,000           20,000           1,000           100           Methaqualone           300           2,000           300           0PIATE (OP           2,000           3,000           25,000           PHENCYCLID           25           PROPOXYPHE           300           1,000           400           3,000	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) 12,000) Morphine Norcodeine Norcodeine Normorphone Oxycodone Oxymorphone Procaine Thebaine NE (PC) 4-Hydroxyphencyclidine NE (PC) 4-Hydroxyphene RESSANTS (TCA) Imipramine Clomipramine Doxepine	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 300 400 50,000 1,500
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hydrocodone Hydrocodone Hydromorphone Levorphanol 6-Monoacetylmorphine Morphine 3-β-D-glucuronide Phencyclidine D-Propoxyphene TRICY Nortriptyline Nordoxepine Trimipramine Amitriptyline	500 300 2,000 2,000 1,000 1,000 1,000 100 Methaqualone 300 OPIATE (OP 2,000 3,000 12,500 25,000 3,000 2,000 PHENCYCLID 25 PROPOXYPHE 300 CLIC ANTIDEPI 1,000 400 3,000 1,500	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) 12,000) Morphine Norcodeine Normorphone Oxycodone Oxymorphone Procaine Thebaine NE (PCP) 4-Hydroxyphencyclidine NE (PCP) 4-Hydroxyphencyclidine NE (PCP) 14-Hydroxyphencyclidine NE (PCP) 14-Hydroxyphencyclidine NE (PCP) 14-Hydroxyphencyclidine NE (CP) 14-Hydroxyphencyclidine NE (	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 50,000 25,000 25,000 50,000 25,000 6,250 300 400 1,500 1,500
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hydrocodone Hydrocodone Hydrocodone Hydrocodone Hydrocodone Hydrocodone Phydrocodone H	500 300 2,000 1,000 1,000 1,000 1,000 1,000 100 Methaqualone 300 0PIATE (OF 2,000 3,000 12,500 25,000 3,000 2,000 PHENCYCLID 25 PROPOXYPHE 300 CLIC ANTIDEPI 1,000 400 3,000 1,500 3,000 3	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) 12,000) Morphine Norcodeine Norcodeine Normorphone Oxycodone Oxymorphone Procaine Thebaine NE (PCP) 4-Hydroxyphencyclidine NE (PCP) 4-Hydroxyphencyclidine ESSANTS (TCA) Imipramine Clomipramine Doxepine Maprotiline Promethazine	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 25,000 25,000 25,000 25,000 25,000 6,250 6,250 300 400 1,500 1,500 25,000
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hydromorphone Levorphanol 6-Monoacetylmorphine Morphine 3-β-D-glucuronide Phencyclidine D-Propoxyphene TRICY Nortriptyline Nordoxepine Trimipramine Amitriptyline Promazine Desipramine	500 300 20,000 1,000 1,000 100 Methaqualone 300 0PIATE (OF 2,000 3,000 12,500 25,000 3,000 20,000 PHENCYCLID 25 PROPOXYPHI 300 CLIC ANTIDEPI 1,000 400 3,000 2,000 200	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) 12,000) Morphine Norcodeine Normorphone Oxycodone Oxymorphone Procaine Thebaine NE (PCP) 4-Hydroxyphencyclidine NE (PCP) 4-Hydroxyphencyclidine NE (PCP) 14-Hydroxyphencyclidine NE (PCP) 14-Hydroxyphencyclidine NE (PCP) 14-Hydroxyphencyclidine NE (CP) 14-Hydroxyphencyclidine NE (	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 50,000 25,000 25,000 50,000 25,000 6,250 300 400 1,500 1,500
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hydrocodone Hydrocodone Hydrocodone Hydrocodone Hydrocodone Hydrocodone Phydrocodone H	500 300 2,000 1,000 1,000 1,000 1,000 1,000 100 Methaqualone 300 0PIATE (OF 2,000 3,000 12,500 25,000 3,000 2,000 PHENCYCLID 25 PROPOXYPHE 300 CLIC ANTIDEPI 1,000 400 3,000 1,500 3,000 3	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) 12,000) Morphine Norcodeine Norcodeine Normorphone Oxycodone Oxymorphone Procaine Thebaine NE (PCP) 4-Hydroxyphencyclidine NE (PCP) 4-Hydroxyphencyclidine ESSANTS (TCA) Imipramine Clomipramine Doxepine Maprotiline Promethazine	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 25,000 25,000 25,000 25,000 25,000 6,250 6,250 400 50,000 1,500 1,500 25,000
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hydromorphone Levorphanol 6-Monoacetylmorphine Morphine 3-β-D-glucuronide Phencyclidine D-Propoxyphene TRICY Nortriptyline Nordoxepine Trimipramine Amitriptyline Promazine Desipramine	500 300 20,000 1,000 1,000 100 Methaqualone 300 0PIATE (OF 2,000 3,000 12,500 25,000 3,000 20,000 PHENCYCLID 25 PROPOXYPHI 300 CLIC ANTIDEPI 1,000 400 3,000 2,000 200	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) I 2,000) Morphine Norcodeine Normorphone Oxycodone Oxymorphone Procaine Thebaine NE (PCP) 4-Hydroxyphencyclidine ENE (PPX) D-Norpropoxyphene RESSANTS (TCA) Imipramine Clomipramine Doxepine Maprotiline Promethazine Perphenazine C(TML)	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 25,000 25,000 25,000 25,000 25,000 6,250 6,250 400 50,000 1,500 1,500 25,000
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hydrocodone Hydrocodone Hydromorphone Levorphanol 6-Monoacetylmorphine Morphine 3-β-D-glucuronide Phencyclidine D-Propoxyphene TRICY Nortriptyline Nordoxepine Trimipramine Amitriptyline Promazine Desipramine Cyclobenzaprine	500 300 2,000 2,000 1,000 1,000 100 Methaqualone 300 OPIATE (OF 2,000 3,000 12,500 25,000 3,000 25,000 2,000 PHENCYCLID 25 PROPOXYPHE 300 CLIC ANTIDEPI 1,000 400 3,000 1,500 3,000 200 1,500 TRAMADOI	Normorphone Oxycodone Oxycodone Procaine Thebaine Morphine (MQL 300) 12,000) Morphine Norcodeine Normorphone Oxycodone Oxycodone Oxycodone Oxycodone Procaine Thebaine NE (PCP) 4-Hydroxyphencyclidine ESANTS (TCA) Imipramine Clomipramine Doxepine Maprotiline Promethazine Perphenazine	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 25,000 25,000 25,000 25,000 50,000 25,000 6,250 300 400 50,000 1,500 1,500 25,00
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hydrocodone Hydrocodone Hydromorphone Levorphanol 6-Monoacetylmorphine Morphine 3-β-D-glucuronide Phencyclidine D-Propoxyphene TRICY Nortriptyline Nordoxepine Trimipramine Amitriptyline Promazine Desipramine Cyclobenzaprine	500 300 2,000 20,000 1,000 100 Methaqualone 300 OPIATE (OP 2,000 3,000 50,000 12,500 25,000 3,000 25,000 PHENCYCLID 25 PROPOXYPHE 300 CLIC ANTIDEPI 1,000 400 3,000 1,500 1,500	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) 12,000) Morphine Norcodeine Norcodeine Normorphone Oxycodone Oxymorphone Procaine Thebaine NE (PCP) 4-Hydroxyphencyclidine NE (PCP) 4-Hydroxyphencyclidine NE (PCP) 4-Hydroxyphencyclidine NE (PCP) 1-Norpropoxyphene RESSANTS (TCA) Imipramine Clomipramine Doxepine Maprotiline Promethazine Perphenazine - (TML) o-Desmethyl-cis-tramad ol	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 25,000 25,000 25,000 25,000 25,000 6,250 300 400 1,500 1,500 25,000 25,000 1,500 25,000 25,000 1,500 1,500 25,000 25,000 1,500 1,500 25,000 25,000 1,500 1,500 1,500 25,000 2,000 1,500 1,500 2,000 1,500 1,500 2,000 1,50
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hydromorphone Levorphanol 6-Monoacetylmorphine Morphine 3-β-D-glucuronide Phencyclidine D-Propoxyphene TRICY Nortriptyline Nordoxepine Trimipramine Amitriptyline Promazine Desipramine	500 300 2,000 2,000 1,000 1,000 100 Methaqualone 300 OPIATE (OF 2,000 3,000 12,500 25,000 3,000 25,000 2,000 PHENCYCLID 25 PROPOXYPHE 300 CLIC ANTIDEPI 1,000 400 3,000 1,500 3,000 200 1,500 TRAMADOI	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) I 2,000) Morphine Norcodeine Norcodeine Oxycodone Oxymorphone Procaine Thebaine Net (PCP) 4-Hydroxyphenevclidine ENE (PPX) D-Norpropoxyphene ESSANTS (TCA) Imipramine Clompramine Doxepine Maprotiline Promethazine Perphenazine CtmL) o-Desmethyl-cis-tramad	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 25,000 25,000 25,000 25,000 50,000 25,000 6,250 300 400 50,000 1,500 1,500 25,00
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hy	500           300           20,000           20,000           1,000           100           Methaqualone           300           2,000           300           OPIATE (OF           2,000           3,000           25,000           3,000           2,000           9HENCYCLID           25           PROPOXYPHE           300           1,000           400           3,000           1,500           3,000           200           1,500           200           100	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) I12,000) Morphine Norcodeine Normorphone Oxycodone Oxymorphone Procaine Thebaine NBE (PCP) 4-Hydroxyphencyclidine ENE (PPX) D-Norpropoxyphene RESSANTS (TCA) Imipramine Clomipramine Doxepine Maprotiline Promethazine Perphenazine (TML) o-Desmethyl-cis-tramad ol	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 1,500 1,500 1,500 25,000 25,000 25,000 25,000 1,500 1,500 1,500 25,000 25,000 25,000 1,500
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hy	500           300           2,000           20,000           1,000           100           Methaqualone           300           2,000           300           0PIATE (OF           2,000           3,000           25,000           3,000           25,000           9HENCYCLID           25           PROPOXYPHE           3000           1,000           400           3,000           200           1,500           3,000           200           1,500           200	Normorphone Oxycodone Oxycodone Oxycodone Procaine Thebaine Morphine (MQL 300) I 2,000) Morphine Norcodeine Normorphone Oxycodone Oxycodone Oxycodone Oxycodone Oxycodone Thebaine INE (PCP) 4-Hydroxyphencyclidine ENE (PPX) D-Norpropoxyphene RESSANTS (TCA) Imipramine Clomipramine Doxepine Maprotiline Promethazine Perphenazine Phencyclidine d,I-O-Desmethyl	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 25,000 25,000 25,000 25,000 25,000 6,250 300 400 1,500 1,500 25,000 25,000 1,500 25,000 25,000 1,500 1,500 25,000 25,000 1,500 1,500 25,000 25,000 1,500 1,500 1,500 25,000 2,000 1,500 1,500 2,000 1,500 1,500 2,000 1,50
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hy	500           300           20,000           20,000           1,000           100           Methaqualone           300           20,000           300           OPIATE (OP           2,000           3,000           25,000           PHENCYCLID           25           PROPOXYPHE           300           2,000           3,000           200           1,500           200           1,500           200           1,500           200           100           200           100	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) II.2,000) Morphine Norcodeine Normorphone Oxycodone Oxymorphone Procaine Thebaine NE (PCP) 4-Hydroxyphencyclidine ESSANTS (TCA) Imipramine Clomipramine Clomipramine Doxepine Maprotiline Promethazine Perphenazine Perphenazine Phencyclidine d,I-O-Desmethyl venlafaxine	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 1,500 1,500 1,500 25,000 25,000 25,000 25,000 1,500 1,500 1,500 25,000 25,000 25,000 1,500
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hy	500 300 2,000 20,000 1,000 100 Methaqualone 300 0PIATE (OF 2,000 3,000 50,000 12,500 25,000 3,000 2,000 PHENCYCLID 25 PROPOXYPHE 300 CLIC ANTIDEPI 1,000 400 3,000 1,500 3,000 1,500 3,000 1,500 TRAMADOI 200 100 100,000 KETAMINE (K	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) II.2,000) Morphine Norcodeine Normorphone Oxycodone Oxymorphone Procaine Thebaine NE (PCP) 4-Hydroxyphencyclidine ESSANTS (TCA) Imipramine Clomipramine Clomipramine Doxepine Maprotiline Promethazine Perphenazine Perphenazine Phencyclidine d,I-O-Desmethyl venlafaxine	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 1,500 1,500 1,500 25,000 25,000 25,000 25,000 1,500 1,500 25,000 25,000 1,500 1,500 1,500 25,000 25,000 1,500
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hy	500           300           20,000           20,000           1,000           100           Methaqualone           300           2,000           300           00           2,000           3,000           2,500           3,000           2,000           3,000           2,000           9HENCYCLID           25           PROPOXYPHE           300           1,000           3,000           1,500           3,000           200           1,500           TRAMADOI           200           100,000           KETAMINE (K	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) I12,000) Morphine Norcodeine Normorphone Oxycodone Oxymorphone Procaine Thebaine Ne (PCP) 4-Hydroxyphencyclidine Ne (PCP) Imipramine Clomipramine Doxepine Maprotiline Promethazine Perphenazine Imorethazine Perphenazine CITML) O-Desmethyl-cis-tramad ol Phencyclidine d,I-O-Desmethyl venlafaxine ET1,000)	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 1,500 1,500 1,500 25,000 25,000 25,000 25,000 1,500 1,500 1,500 25,000 25,000 25,000 1,500
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hy	500 300 2,000 2,000 1,000 1,000 1,000 100 Methaqualone 300 OPIATE (OF 2,000 3,000 12,500 25,000 3,000 2,000 PHENCYCLID 25 PROPOXYPHE 300 CLIC ANTIDEPI 1,000 400 3,000 1,500 3,000 200 1,500 3,000 200 1,50	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) I12,000) Morphine Norcodeine Normorphone Oxycodone Oxymorphone Procaine Thebaine Ne (PCP) 4-Hydroxyphencyclidine Ne (PCP) Imipramine Clomipramine Doxepine Maprotiline Promethazine Perphenazine Imorethazine Perphenazine CITML) O-Desmethyl-cis-tramad ol Phencyclidine d,I-O-Desmethyl venlafaxine ET1,000)	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 1,500 1,500 1,500 25,000 25,000 25,000 25,000 1,500 1,500 25,000 25,000 1,500 1,500 1,500 25,000 25,000 1,500
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hy	500           300           20,000           20,000           1,000           100           Methaqualone           300           OPIATE (OP           2,000           3,000           50,000           12,500           25,000           3,000           20,000           PHENCYCLID           25           PROPOXYPHE           3000           1,500           3,000           200           1,500           200           100,000           KETAMINE (K           1,000           KETAMINE (K	Normorphone Oxycodone Oxycodone Oxycodone Procaine Thebaine Morphine (MQL 300) 12,000) Morphine Norcodeine Normorphone Oxycodone Oxycodone Oxycodone Oxycodone Oxycodone Procaine Thebaine NE (PCP) 4-Hydroxyphencyclidine EXE (PCA) Imipramine Clomipramine Clomipramine Doxepine Maprotiline Promethazine Perphenazine Perphenazine CITML) O-Desmethyl-cis-tramad ol Phencyclidine d,I-O-Desmethyl venlafaxine ET1,000) KET500)	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 1,500 1,500 1,500 25,000 25,000 25,000 25,000 1,500 1,500 25,000 25,000 1,500 1,500 1,500 25,000 25,000 1,500
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hydromorphone Levorphanol 6-Monoacetylmorphine Morphine 3-β-D-glucuronide Phencyclidine D-Propoxyphene TRICY Nortriptyline Nordoxepine Trimipramine Amitriptyline Promazine Desipramine Cyclobenzaprine n-Desmethyl-cis-tramadol Cis-tramadol Procyclidine Ketamine Ketamine	500 300 2,000 2,000 1,000 1,000 100 Methaqualone 300 OPIATE (OP 2,000 3,000 50,000 12,500 25,000 3,000 2,000 PHENCYCLID 25 PROPOXYPHI 300 CLIC ANTIDEPI 1,000 400 3,000 1,500 3,000 200 1,500 1,	Normorphone Oxycodone Oxycodone Oxycodone Procaine Thebaine Morphine (MQL 300) 12,000) Morphine Norcodeine Normorphone Oxycodone Oxycodone Oxycodone Oxycodone Oxycodone Procaine Thebaine NE (PCP) 4-Hydroxyphencyclidine EXE (PCA) Imipramine Clomipramine Clomipramine Doxepine Maprotiline Promethazine Perphenazine Perphenazine CITML) O-Desmethyl-cis-tramad ol Phencyclidine d,I-O-Desmethyl venlafaxine ET1,000) KET500)	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 1,500 1,500 1,500 25,000 25,000 25,000 25,000 1,500 1,500 25,000 25,000 1,500 1,500 1,500 25,000 25,000 1,500
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hy	500           300           20,000           20,000           1,000           100           Methaqualone           300           20,000           300           00           20,000           300           20,000           3,000           25,000           3,000           20,000           PHENCYCLID           25           PROPOXYPHE           300           CLIC ANTIDEPI           1,000           400           3,000           200           1,500           3000           200           1,500           200           1,500           200           100,000           KETAMINE (K           1,000           KETAMINE (S00	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) I12,000) Morphine Norcodeine Norcodeine Normorphone Oxycodone Oxymorphone Procaine Thebaine NE (PCP) 4-Hydroxyphencyclidine ENE (PPX) D-Norpropoxyphene RESSANTS (TCA) Imipramine Clomipramine Doxepine Maprotiline Promethazine Perphenazine Perphenazine Inhencyclidine d,I-O-Desmethyl venlafaxine ET1, 000) KET500) KET500)	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 1,500 1,500 1,500 25,000 25,000 25,000 1,500 1,500 25,000 25,000 1,500 1,500 1,500 25,000 25,000 1,500
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hy	500 300 2,000 2,000 1,000 1,000 100 Methaqualone 300 0PIATE (OF 2,000 3,000 12,500 25,000 3,000 2,000 25 PHENCYCLID 25 PROPOXYPHE 300 CLIC ANTIDEPI 1,000 400 3,000 1,500 3,000 1,500 3,000 1,500 3,000 1,500 3,000 1,500 3,000 1,500 3,000 1,500 3,000 1,500 3,000 1,500 3,000 1,500 3,000 1,500 3,000 1,500 3,000 1,500 3,000 1,500 5,00 KETAMINE (KETAMINE ( 300 OXYCODONE	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) II.2,000) Morphine Norcodeine Norcodeine Normorphone Oxycodone Oxymorphone Procaine Thebaine Net (PCP) 4-Hydroxyphencyclidine ENE (PPX) D-Norpropoxyphene RESSANTS (TCA) Imipramine Clompramine Doxepine Maprotiline Promethazine Perphenazine Perphenazine ET1, 000) KET500) KET300) (OXY100)	20,000 10,000 20,000 5,000 2,000 2,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 1,500 1,500 1,500 25,000 25,000 25,000 1,500 1,500 1,500 25,000 25,000 25,000 1,500 1,500 1,500 1,500 25,000 25,000 25,000 1,500 1,500 1,500 1,500 25,000
Levorphanol Morphine-3-β-D-Glucuronide Ethylmorphine Hydrocodone Hydromorphone 6-Monoacethylmorphine Methaqualone Codeine Ethylmorphine Hydrocodone Hydromorphone Levorphanol 6-Monoacetylmorphine Morphine 3-β-D-glucuronide Phencyclidine D-Propoxyphene TRICY Nortriptyline Nordoxepine Trimipramine Amitriptyline Promazine Desipramine Cyclobenzaprine Cyclobenzaprine Nordoceline Nordoceline Nordoceline Nordoceline Morthiptyline Promazine Desipramine Cyclobenzaprine Cyclobenzaprine Ketamine Ketamine	500           300           20,000           20,000           1,000           100           Methaqualone           300           20,000           300           00           20,000           300           20,000           3,000           25,000           3,000           20,000           PHENCYCLID           25           PROPOXYPHE           300           CLIC ANTIDEPI           1,000           400           3,000           200           1,500           3000           200           1,500           200           1,500           200           100,000           KETAMINE (K           1,000           KETAMINE (S00	Normorphone Oxycodone Oxymorphone Procaine Thebaine Morphine (MQL 300) I12,000) Morphine Norcodeine Norcodeine Normorphone Oxycodone Oxymorphone Procaine Thebaine NE (PCP) 4-Hydroxyphencyclidine ENE (PPX) D-Norpropoxyphene RESSANTS (TCA) Imipramine Clomipramine Doxepine Maprotiline Promethazine Perphenazine Perphenazine Inhencyclidine d,I-O-Desmethyl venlafaxine ET1, 000) KET500) KET500)	20,000 10,000 20,000 5,000 2,000 100 2,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 1,500 1,500 1,500 25,000 25,000 7,000 100,000

ACCUBIO I	ecn Co	., Lta.	
Levorphanol	50,000	Naltrexone	25,000
Hydrocodone	6,250		
	COTININE (		
(-)-Cotinine	200	(-)-Nicotine	3,000
	COTININE (		1.500
(-)-Cotinine 2 Ethylidene 1 5	100	(-)-Nicotine phenylpyrrolidine (EDD	1,500
2-Ethylidene-1,5-dimethyl-3,3-			300
		phenylpyrrolidine (EDD	
2-Ethylidene-1,5-dimethyl-3,3-			100
	FENTANYL		100
Alfentanyl	600,000	Perphenazine	5,000
Fenfluramine	40,000	Fentanyl	100
Norfentanyl	20	Sufentanyl	60,000
Pipamperon	25,000	Risperdal	10,000
	FENTANYL	(FYL10)	
Alfentanyl	300,000	Perphenazine	2,500
enfluramine	20,000	Fentanyl	50
Norfentanyl	10	Sufentanyl	30,000
Pipamperon	12,500	Risperdal	5,000
		IJUANA (K2-50)	-
IWH-018 5-Pentanoic acid r			50
IWH-073 4-butanoic acid me			50
WH-018 4-Hydroxypentyl m			400
WH-018 5-Hydroxypentyl m WH-073 4-Hydroxybutyl me			600 300
WH-073 4-Hydroxybutyl me WH-018 N-Propanoic acid	sabolite		300
WH-019 6-Hydroxyhexyl			1,000
WH-122 N-4-Hydroxypenty	1		1,000
RCS4 N-5-Carboxypentyl			45,000
MAM2201 N-Pentanoic acid			65
WH-210 N-5-Carboxypenty			400
WH-398 N-Pentanoic acid			350
WH-200 6-Hydroxyindole			600
WH-073 N-2-Hydroxybutyl			1,000
IWH-019 5-Hydroxyhexyl			1,000
JWH-018			7,000
M2201 N-(4-hydroxypentyl			700
WH-073 N-(3-hydroxybutyl)			450
		IJUANA (K2-30)	
WH-018 5-Pentanoic acid r			30
WH-073 4-butanoic acid me			30
IWH-018 4-Hydroxypentyl m			250
IWH-018 5-Hydroxypentyl m			360
JWH-073 4-Hydroxybutyl me			200 180
JWH-073 4-Hydroxybutyl me JWH-018 N-Propanoic acid	elabolite		180
JWH-019 6-Hydroxyhexyl			600
JWH-122 N-4-Hydroxypenty	1		600
RCS4 N-5-Carboxypentyl	•		27000
MAM2201 N-Pentanoic acid			39
JWH-210 N-5-Carboxypenty			240
JWH-398 N-Pentanoic acid			210
JWH-200 6-Hydroxyindole			360
JWH-073 N-2-Hydroxybutyl			600
JWH-019 5-Hydroxyhexyl			600
JWH-018			4200
AM2201 N-(4-hydroxypentyl			420
WH-073 N-(3-hydroxybutyl)			270
	1	ORPHINE (6-MAM)	
Codeine	>100,000	Morphine	>100,000
5-Monoacetylmorphine	10	Oxycodone	>100,000
Diacetylmorphine(herion)			
	25	Oxymorphone	>100,000
		Oxymorphone NIDE (ETG 500)	>100,000
Ethyl glucuronide	IYL GLUCURO	NIDE (ETG 500)	
Ethyl glucuronide ETH	IYL GLUCURO		>100,000
Ethyl glucuronide ETH	IYL GLUCURO	NIDE (ETG 500) NIDE (ETG 1000)	>100,000
Ethyl glucuronide ETH Ethyl glucuronide	IYL GLUCURO	NIDE (ETG 500) NIDE (ETG 1000)	> 100,000 500 1000
Ethyl glucuronide ETH Ethyl glucuronide	YL GLUCURO YL GLUCURO Pregabalin	NIDE (ETG 500) NIDE (ETG 1000) (PGB700)	>100,000
Ethyl glucuronide ETH Ethyl glucuronide Pregabalin	IYL GLUCURO	NIDE (ETG 500) NIDE (ETG 1000) (PGB700)	>100,000 500 1000 700
Ethyl glucuronide ETH Ethyl glucuronide Pregabalin	YL GLUCURO YL GLUCURO Pregabalin( Pregabalin(	NIDE (ETG 500) NIDE (ETG 1000) (PGB700) PGB2000)	> 100,000 500 1000
Ethyl glucuronide Ethyl glucuronide Pregabalin Pregabalin	YL GLUCURO YL GLUCURO Pregabalin	NIDE (ETG 500) NIDE (ETG 1000) (PGB700) PGB2000)	>100,000 500 1000 700
Ethyl glucuronide Ethyl glucuronide Pregabalin Pregabalin Pregabalin	YL GLUCURO YL GLUCURO Pregabalin Pregabalin Pregabalin	NIDE (ETG 500) NIDE (ETG 1000) (PGB700) PGB2000)	> 100,000 500 1000 700 2000
Ethyl glucuronide Ethyl glucuronide Pregabalin Pregabalin Pregabalin SYNTHE AB-PINACA pentanoic acid i	YL GLUCURO YL GLUCURO Pregabalin Pregabalin Pregabalin TIC MARIJUAI metabolite	NIDE (ETG 500) NIDE (ETG 1000) (PGB700) PGB2000) (PGB500) NA K3+ (AB-PINACA)	> 100,000 500 1000 700 2000 500 10
Ethyl glucuronide Ethyl glucuronide Pregabalin Pregabalin Pregabalin SYNTHE AB-PINACA pentanoic acid r AB-PINACA N-(4-hydroxype	YL GLUCURO YL GLUCURO Pregabalin( Pregabalin( Pregabalin( TIC MARIJUAI metabolite ntyl) metabolite	NIDE (ETG 500) NIDE (ETG 1000) (PGB700) PGB2000) (PGB500) NA K3+ (AB-PINACA)	> 100,000 500 1000 700 2000 500
Ethyl glucuronide Ethyl glucuronide Pregabalin Pregabalin Pregabalin SYNTHE AB-PINACA pentanoic acid r AB-PINACA N-(4-hydroxype	YL GLUCURO YL GLUCURO Pregabalin( Pregabalin( Pregabalin( TIC MARIJUAI metabolite ntyl) metabolite	NIDE (ETG 500) NIDE (ETG 1000) (PGB700) PGB2000) (PGB500) NA K3+ (AB-PINACA)	> 100,000 500 1000 700 2000 500 10
Ethyl glucuronide Ethyl glucuronide Pregabalin Pregabalin Pregabalin B-PINACA Pentanoic acid i AB-PINACA N-(4-hydroxype ADB-PINACA N-(5-hydroxyp	YL GLUCURO YL GLUCURO Pregabalin( Pregabalin( Pregabalin( TIC MARIJUAI metabolite ntyl) metabolite pentyl) metabolite	NIDE (ETG 500) NIDE (ETG 1000) (PGB700) PGB2000) (PGB500) NA K3+ (AB-PINACA) te te	> 100,000 500 1000 700 2000 500 10 10 15 20
Ethyl glucuronide Ethyl glucuronide Pregabalin Pregabalin Pregabalin B-PINACA pentanoic acid i AB-PINACA N-(4-hydroxype ADB-PINACA N-(4-hydroxype ADB-PINACA N-(5-hydroxype G-fluoro AB-PINACA N-(4	YL GLUCURO YL GLUCURO Pregabalin( Pregabalin( Pregabalin( TIC MARIJUAN metabolite pentyl) metabolite pentyl) metabolit pentyl) metabolit	NIDE (ETG 500) NIDE (ETG 1000) (PGB700) PGB2000) (PGB500) NA K3+ (AB-PINACA) te te	> 100,000 500 1000 700 2000 500 10 10 15 20 20 20
Ethyl glucuronide Ethyl glucuronide Pregabalin Pregabalin Pregabalin Pregabalin B-PINACA pentanoic acid I AB-PINACA N-(4-hydroxype ADB-PINACA N-(4-hydroxyp 5-fluoro AB-PINACA N-(4 ADB-PINACA	YL GLUCURO YL GLUCURO Pregabalin( Pregabalin( Pregabalin( Pregabalin( TIC MARIJUAI metabolite ntyl) metabolite pentyl) metaboli pentyl) metaboli pentyl) metaboli pentyl) metaboli pentyl) metaboli	NIDE (ETG 500) NIDE (ETG 1000) PGB700) PGB2000) PGB500) NA K3+ (AB-PINACA) te te te te	> 100,000 500 1000 700 2000 500 10 10 15 20 20 20 20 20
Ethyl glucuronide Ethyl glucuronide Pregabalin Pregabalin Pregabalin Pregabalin SYNTHE AB-PINACA Pentanoic acid I AB-PINACA N-(4-hydroxype ADB-PINACA N-(5-hydroxype 5-fluoro AB-PINACA N-(4 ADB-PINACA Pentanoic acid AB-PINACA N-(5-hydroxype	YL GLUCURO YL GLUCURO Pregabalin( Pregabalin( Pregabalin( Pregabalin( TIC MARIJUAI metabolite ntyl) metabolite pentyl) metaboli pentyl) metaboli pentyl) metaboli pentyl) metaboli pentyl) metaboli	NIDE (ETG 500) NIDE (ETG 1000) PGB700) PGB2000) PGB500) NA K3+ (AB-PINACA) te te te te	> 100,000 500 1000 2000 500 10 10 10 15 20 20 20 30
Ethyl glucuronide Ethyl glucuronide Pregabalin Pregabalin Pregabalin Pregabalin SYNTHE AB-PINACA pentanoic acid AB-PINACA N-(4-hydroxype ADB-PINACA N-(4-hydroxype 5-fluoro AB-PINACA N-(4 ADB-PINACA N-(5-hydroxype 5-fluoro AB-PINACA N-(5-hydroxype 5-fluoro AB-PINACA	YL GLUCURO YL GLUCURO Pregabalin( Pregabalin( Pregabalin( Pregabalin( TIC MARIJUAI metabolite ntyl) metabolite pentyl) metaboli pentyl) metaboli pentyl) metaboli pentyl) metaboli pentyl) metaboli	NIDE (ETG 500) NIDE (ETG 1000) PGB700) PGB2000) PGB500) NA K3+ (AB-PINACA) te te te te	> 100,000 500 1000 2000 500 500 10 10 10 15 20 20 20 30 50
Ethyl glucuronide Ethyl glucuronide Pregabalin Pregabalin Pregabalin Pregabalin Pregabalin SYNTHE AB-PINACA pentanoic acid n AB-PINACA N-(4-hydroxype ADB-PINACA N-(4-hydroxype ADB-PINACA N-(5-hydroxype 5-fluoro AB-PINACA N-(4 ADB-PINACA N-(5-hydroxype 5-fluoro AB-PINACA AB-PINACA N-(5-hydroxype 5-fluoro AB-PINACA AB-PINACA	YL GLUCURO YL GLUCURO Pregabalin( Pregabalin( Pregabalin( Pregabalin( TIC MARIJUAI metabolite ntyl) metabolite pentyl) metaboli pentyl) metaboli pentyl) metaboli pentyl) metaboli pentyl) metaboli	NIDE (ETG 500) NIDE (ETG 1000) PGB700) PGB2000) PGB500) NA K3+ (AB-PINACA) te te te te	> 100,000 500 1000 2000 500 500 10 10 10 15 20 20 20 20 20 30 50 100
Ethyl glucuronide Ethyl glucuronide Pregabalin Pregabalin Pregabalin Pregabalin BPINACA N-(4-hydroxype ADB-PINACA N-(4-hydroxype ADB-PINACA N-(4-hydroxype ADB-PINACA N-(4-hydroxype 5-fluoro AB-PINACA N-(4 ADB-PINACA N-(5-hydroxype 5-fluoro AB-PINACA N-(5-hydroxype 5-fluoro AB-PINACA N-(5-hydroxype 5-fluoro AB-PINACA N-(5-hydroxype 5-fluoro AB-PINACA AB-PINACA N-(5-hydroxype 5-fluoro AB-PINACA AB-PINACA	YL GLUCURO YL GLUCURO Pregabalin( Pregabalin( Pregabalin( Pregabalin( TIC MARIJUAI metabolite ntyl) metabolite pentyl) metaboli pentyl) metaboli pentyl) metaboli pentyl) metaboli pentyl) metaboli	NIDE (ETG 500) NIDE (ETG 1000) PGB700) PGB2000) PGB500) NA K3+ (AB-PINACA) te te te te	> 100,000 500 1000 2000 500 500 10 10 15 20 20 20 20 20 20 20 20 15 20 100 15 50 100 15 50 100 15 100 15 100 15 100 15 100 15 100 15 100 100
Ethyl glucuronide Ethyl glucuronide Pregabalin Pregabalin Pregabalin Pregabalin B-PINACA Pentanoic acid i AB-PINACA N-(4-hydroxype ADB-PINACA N-(4-hydroxype ADB-PINACA N-(4-hydroxype 5-fluoro AB-PINACA N-(4 ADB-PINACA N-(5-hydroxype 5-fluoro AB-PINACA N-(4 AB-PINACA N-(5-hydroxype 5-fluoro AB-PINACA N-(4 AB-PINACA N-(5-hydroxype 5-fluoro AB-PINACA N-(5-hydroxype 5-fluoro AB-PINACA AB-FUBINACA	YL GLUCURO YL GLUCURO Pregabalin( Pregabalin( Pregabalin( Pregabalin( TIC MARIJUAI metabolite ntyl) metabolite pentyl) metaboli pentyl) metaboli pentyl) metaboli pentyl) metaboli pentyl) metaboli	NIDE (ETG 500) NIDE (ETG 1000) PGB700) PGB2000) PGB500) NA K3+ (AB-PINACA) te te te te	> 100,000 500 1000 2000 500 500 10 10 15 20 20 20 20 20 30 50 100 150 250
Ethyl glucuronide Ethyl glucuronide Pregabalin Pregabalin Pregabalin Pregabalin B-PINACA pentanoic acid i AB-PINACA N-(4-hydroxype ADB-PINACA N-(4-hydroxype ADB-PINACA N-(5-hydroxype 5-fluoro AB-PINACA N-(4 ADB-PINACA N-(5-hydroxype 5-fluoro AB-PINACA N-(4 AB-PINACA N-(5-hydroxype 5-fluoro AB-PINACA N-(4 AB-PINACA A B-PINACA A AB-FUBINACA AB-FUBINACA 5-fluoro ADB-PINACA 5-fluoro ADB-PINACA	YL GLUCURO YL GLUCURO Pregabalin( Pregabalin( Pregabalin( Pregabalin( TIC MARIJUAI metabolite ntyl) metabolite pentyl) metaboli pentyl) metaboli pentyl) metaboli pentyl) metaboli pentyl) metaboli	NIDE (ETG 500) NIDE (ETG 1000) PGB700) PGB2000) PGB500) NA K3+ (AB-PINACA) te te te te	> 100,000 500 1000 2000 500 500 10 10 10 15 20 20 20 20 20 30 50 100 150 250 1,000
Ethyl glucuronide Ethyl glucuronide Pregabalin Pregabalin Pregabalin Pregabalin Pregabalin Pregabalin Pregabalin Pregabalin Pregabalin Pregabalin Pregabalin Pregabalin Pregabalin Pregabalin Pregabalin AB-PINACA N-(4-hydroxype 5-fluoro AB-PINACA N-(4 ADB-PINACA N-(5-hydroxype 5-fluoro AB-PINACA AB-PINACA AB-PINACA AB-FUBINACA S-fluoro ADB-PINACA 5-fluoro ADB-PINACA 5-fluoro ADB-PINACA 5-chloro AB-PINACA APINACA (AKB-48)	YL GLUCURO YL GLUCURO Pregabalin( Pregabalin( Pregabalin( Pregabalin( TIC MARIJUAI metabolite ntyl) metabolite ntyl) metabolite hydroxypentyl d metabolite ntyl) metabolite	NIDE (ETG 500) NIDE (ETG 1000) (PGB700) PGB2000) PGB500) NA K3+ (AB-PINACA) te te te )	>100,000 500 1000 2000 500 500 10 10 10 10 15 20 20 20 20 20 20 20 20 20 20
Ethyl glucuronide Ethyl glucuronide Pregabalin Pregabalin Pregabalin Pregabalin Pregabalin Pregabalin Pregabalin Pregabalin Pregabalin Pregabalin Pregabalin Pregabalin Pregabalin Pregabalin Pregabalin Pregabalin AB-PINACA N-(4-hydroxyp 5-fluoro AB-PINACA N-(4-hydroxyp 5-fluoro AB-PINACA N-(4-hydroxyp 5-fluoro AB-PINACA N-(5-hydroxyp 5-fluoro AB-PINACA AB-PINACA N-(5-hydroxyp 5-fluoro AB-PINACA S-chloro AB-PINACA 5-chloro AB-PINACA APINACA (AKB-48) APINACA (AKB-48) 5-hydrox	YL GLUCURO YL GLUCURO Pregabalin( Pregabalin( Pregabalin( Pregabalin( TIC MARIJUAI metabolite ntyl) metabolite ntyl) metabolite hydroxypentyl d metabolite ntyl) metabolite	NIDE (ETG 500) NIDE (ETG 1000) (PGB700) PGB2000) PGB500) NA K3+ (AB-PINACA) te te te )	>100,000 500 1000 2000 500 500 10 10 10 15 20 20 20 20 30 50 100 150 250 1,000 >10,000 >10,000
Ethyl glucuronide Ethyl glucuronide Pregabalin Pregabalin Pregabalin	YL GLUCURO YL GLUCURO Pregabalin( Pregabalin( Pregabalin( Pregabalin( TIC MARIJUAI metabolite ntyl) metabolite ntyl) metabolite hydroxypentyl d metabolite ntyl) metabolite	NIDE (ETG 500) NIDE (ETG 1000) (PGB700) PGB2000) PGB500) NA K3+ (AB-PINACA) te te te )	>100,000 500 1000 2000 500 500 10 10 10 10 15 20 20 20 20 20 20 20 20 20 20

# Accurate, Reliable, Cost Effective

AB-CHMINACA metabolite M2	>100,000
PX 1 (5-fluoro APP-PICA)	>100,000
PX 2 (5-fluoro APP-PINACA)	>100,000
5-fluoro ADB (5-fluoro MDMB-PINACA)	>100,000
4-cyano CUMYL-BUTINACA	>100,000
MMB-FUBINACA	>100,000
CUMYL-PICA	>100,000
5-fluoro MN-18	>100,000
MN-18	>100,000
5-fluoro PB-22 3-carboxyindole metabolite	>100,000
BB-22 3-carboxyindole metabolite	>100,000
AM 2201 N-(4-hydroxypentyl) metabolite	>100,000
Zolpidem	
Zolpidem Phenyl-4-carboxylic acid	50
Zopiclone	
Zopiclone 50	
3,4-methylenedioxypyrovalero	ne (MDPV3000)
3,4-methylenedioxypyrovalerone	3000
3,4-methylenedioxypyrovalero	ne (MDPV1000)
3,4-methylenedioxypyrovalerone	1000

#### Effect of Urinary Specific Gravity

Fifteen (15) urine samples of normal, high, and low specific gravity ranges (1.000-1.037) were spiked with drugs at 50% below and 50% above cut-off levels respectively. ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine) was tested in duplicate using fifteen drug-free urine and spiked urine samples. The results demonstrate that varying ranges of urinary specific gravity do not affect the test results.

#### Effect of Urinary pH

The pH of an aliquoted negative urine pool was adjusted to a pH range of 5 to 9 in 1 pH unit increments and spiked with drugs at 50% below and 50% above cut-off levels. The spiked, pH-adjusted urine was tested with ACCU-TELL<sup>®</sup> Multi-Line Drug Cassette (Urine). The results demonstrate that varying ranges of pH do not interfere with the performance of the test.

#### Cross-Reactivity

A study was conducted to determine the cross-reactivity of the test with compounds in either drug-free urine or drug positive urine containing, Amphetamine, Barbiturates, Benzodiazepines, Buprenorphine, Cocaine, Marijuana, Methadone, Methamphetamine, Methylenedioxymethamphetamine, Morphine, Tramadol, Methaqualone, Ketamine, Phencyclidine, Propoxyphene Tricyclic Antidepressants , Oxycodone Cotinine 2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine , Fentanyl , Synthetic Marijuana, 6-mono-acetyl-morphine Ethyl Glucuronide , Pregabalin, synthetic Marijuana K3+(AB-PINACA) , Zolpidem, Zopiclone or 3,4-methylenedioxypyrovalerone. The following compounds show no cross-reactivity when tested with ACCU-TELL® Multi-Line Drug Cassette (Urine) at a concentration of 100µg/mL.

#### Non Cross-Reacting Compounds

Non Cross-Rea	cting compoun	as	
Acetophenetidin	Cortisone	Zomepirac	d-Pseudoephedrine
N-Acetylprocainamide	Creatinine	Ketoprofen	Quinidine
Acetylsalicylic acid	Deoxycorticosterone	Labetalol	Quinine
Aminopyrine	Dextromethorphan	Loperamide	Salicylic acid
Amoxicillin	Diclofenac	Meprobamate	Serotonin
Ampicillin	Diflunisal	d,I-Propanolol	Sulfamethazine
I-Ascorbic acid	Digoxin	Methylphenidate	Sulindac
Apomorphine	Diphenhydramine	Nalidixic acid	Tetracycline
Aspartame	Ethyl-p-aminobenzoat	Naproxen	Tetrahydrocortisone,
Atropine	β-Estradiol	Niacinamide	3-acetate
Benzilic acid	Estrone-3-sulfate	Nifedipine	Tetrahydrocortisone
Benzoic acid	Erythromycin	Norethindrone	Tetrahydrozoline
Bilirubin	Fenoprofen	Noscapine	Thiamine
d,I-Brompheniramine	Furosemide	d,I-Octopamine	Thioridazine
Caffeine	Gentisic acid	Oxalic acid	d,I-Tyrosine
Chloral hydrate	Hemoglobin	Oxolinic acid	Tolbutamide
Chloramphenicol	Hydralazine	Oxymetazoline	Triamterene
Chlorothiazide	Hydrochlorothiazide	Papaverine	Trifluoperazine
d,I-Chlorpheniramine	Hydrocortisone	Penicillin-G	Trimethoprim
Chlorpromazine	o-Hydroxyhippuric	Isoxsuprine	d,I-Tryptophan
Cholesterol	3-Hydroxytyramine	Phenelzine	Uric acid
Clonidine	d,I-Isoproterenol	Prednisone	Verapamil

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#### GLOSSARY OF SYMBOLS

REF	Catalog number	X	Temperature limitation
-i	Consult instructions for use	LOT	Batch code
IVD	In vitro diagnostic medical device	Χ	Use by
	Manufacturer	2	Do not reuse



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