Cross-Reactivity for Abbott Alinity Urine Drug Screen Analytes

Amphetamine/Methamphetamine

Compound	Concentration equivalent to 1000 ng/mL Cutoff
d-Amphetamine	1000
d-Methamphetamine	1000
Methylenedioxyamphetamine (MDA)	2500
Methylenedioxymethamphetamine (MDMA)	1300

Barbiturates

Compound	Concentration equivalent to 200 ng/mL Cutoff
Alphenal	250
Amobarbital	200
Aprobarbital	200
Barbital	1500.0
Butabarbital	250.0
Butalbital	400
Butethal	300
Diallylbarbital	600
Pentobarbital	600
Phenobarbital	600
Secobarbital	200
Talbutal	160
Thiopental	600

Buprenorphine

Analyte	Concentration (ng/mL)	% Cross-Reactivity equivalent to 5 ng/mL Cutoff
Buprenorphine	5	100
Norbuprenorphine	5.5	90.91
Buprenorphine Glucuronide	3000	0.17
NorBuprenorphine Glucuronide	4000	0.13

Benzodiazepine

Cross-Reactant	Tested Concentration (ng/dL)	Positive/Negative	% Cross Reactivity equivalent to 200 ng/mL Cutoff
α-Hydroxyalprazolam	110	Positive	182
α-Hydroxytriazolam	140	Positive	143
Alprazolam	110	Positive	182
7-Aminoclonazepam	2500	Positive	8
7-Aminoflunitrazepam	300	Positive	67
7-Aminonitrazepam	300	Positive	67
Bromazepam	170	Positive	118
Chlordiazepoxide	700	Positive	29
Clobazam	150	Positive	133
Clonazepam	210	Positive	95
Clorazepate	135	Positive	148
Delorazepam	150	Positive	133
Demoxepam	220	Positive	91
Desalkylflurazepam	130	Positive	154
Diazepam	110	Positive	182
Estazolam	100	Positive	200
Flunitrazepam	120	Positive	167
Flurazepam	150	Positive	133
2-Hydroxyethylflurazepam	120	Positive	167
Lorazepam	700	Positive	29
Lorazepam glucuronide	50000	Negative	<0.4
Lormetazepam	275	Positive	73
Medazepam	325	Positive	62
Midazolam	180	Positive	111
Nitrazepam	130	Positive	154
Norchlordiazepoxide	800	Positive	25
Nordiazepam	110	Positive	182
*Oxaprozin	125000	Positive	0.16
Oxazepam	200	Positive	100
Oxazepam glucuronide	50000	Positive	0.4
Prazepam	200	Positive	100
Temazepam	160	Positive	125
Temazepam glucuronide	50000	Negative	<0.4
Triazolam	130	Positive	154

Cocaine Metabolite

Compound	Tested Concentration (ng/dL)	Positive/Negative	Cross Reactivity (%) equivalent to 300 ng/mL Cutoff
Benzoylecgonine	300	Positive	100
Cocaine	50000	Positive	0.6
Cocaethylene	60000	Positive	0.5
Ecgonine	160000	Positive	0.19
Ecgonine methyl ester	100000	Negative	< 0.3
m-hydroxybenzoylecgonine	600	Positive	50
Norcocaine	100000	Negative	< 0.3

Fentanyl

Analyte	Concentration (ng/mL)	% Cross-Reactivity equivalent to 1.0 ng/mL Cutoff
Fentanyl	1	100
Butyryl Fentanyl	0.8	125
Acetyl Fentanyl	1	100
Despropionyl Fentanyl	40	2.5
Sufentanil	175	<0.5714
Haloperidol	1250	0.08
Pipamperone	1500	0.0667
Risperidone	2500	0.0400
Norfentanyl	20000	0.0001
Trazadone	10000	0.01
Labetalol	15000	0.0067
Clomipramine	45000	0.0022
Benzylpiperazine	50000	0.0020
Fluoxetine	60000	0.0017
Fenfluramine	60000	0.0017
Methamphetamine	70000	0.0014
Amitriptyline	75000	0.0013
Chlorpromazine	75000	0.0013
PCP	100000	0.0013
Pentazocine	75000	0.0013

Methadone

Compound	Concentration Tested (ng/mL)	% Cross-Reactivity equivalent to 1.0 ng/mL Cutoff
Methadone	300	100
Methadol	750	40

Opiates

Compound	Concentration Tested (ng/mL)	% Cross-Reactivity equivalent to 300 ng/mL Cutoff
6-Monoacetyl morphine	280	107
Codeine	180	167
Dihydrocodeine	650	46
Heroin	380	79
Hydrocodone	650	46
Hydromorphone	1400	21
Levorphanol	10500	3
Morphine	300	100
Morphine-3-glucuronide	600	50
Morphine-6-glucuronide	270	111
Oxycodone	10500	3
Oxymorphone	40000	1
Ranitidine	500000	0.1

Oxycodone

Analyte	Concentration Tested (ng/mL)	% Cross-Reactivity equivalent to 100 ng/mL Cutoff
Oxycodone	100	100
Oxymorphone	100	100
Noroxymorphone	5000	2
Oxymorphone-3β-Glucuronide	500	20
Noroxycodone	7500	1.3
Naloxone	3750	2.67
Naloxone-3 Glucuronide	50000	0.2
Naltrexone	30000	0.33
Morphine	350000	<0.10

Phencyclidine (PCP)

Analyte	Concentration Tested (ng/mL)	% Cross-Reactivity equivalent to 25 ng/mL Cutoff
Phencyclidine (PCP)	25	100

THC/Cannabinoids

Compound	Concentration Tested (ng/mL)	% Cross-Reactivity equivalent to 50 ng/mL Cutoff
11-Hydroxy-Δ^9-THC	200	25
l-11-nor-Δ^8-THC-COOH	100	50
l-11-nor-Δ^9-THC-COOH	50	100
8-ß-Hydroxy-Δ^9-THC	200	25
8-ß-11-Hydroxy-Δ^9-THC	200	25
Δ^9-THC	100	50
Cannabinol	1000	5