Various potentially interfering substances were tested for cross-reactivity with the assay. The compounds listed in the table below produced a positive result at the concentrations listed below using the respective cutoff calibrators. An exception is Ecgonine Methyl Ester which gave negative results at the concentration listed.

Compound	300 ng/mL Cutoff Concentration (µg/mL)
Benzoylecgonine	0.300
Cocaine	50
Cocaethylene	70
Ecgonine	80
Ecgonine Methyl Ester	100

The compounds listed in the table below produced (at the concentrations listed) a negative result relative to the cutoff calibrator.

Compound	300 ng/mL Cutoff Concentration (μg/mL)
Acetaminophen	1,000
Acetylsalicylic acid	1,000
Acyclovir	100
Albuterol	1,000
Amikacin	1,000
Amitryptyline	100
Amobarbital	1,000
Amoxicillin	1,000
Amphetamine	1,000
Azithromycin	100
Benzocaine	1,000
Buprenorphine	10
Bupropion	100
Caffeine	100
Calcium carbonate	5,000
Chlorpromazine	500
Chlorzoxazone	1,000
Clonidine	100
Codeine	1,000
Dapsone	10
Dextromethorphan	100
Diphenhydramine	1,000
Doxepine	500
Doxycycline Hyclate	100
Ecgonine methyl ester	100
Fentanyl	10
Fluconazole	100
Fluoxetine	50
Gabapentin	100

Compound	300 ng/mL Cutoff Concentration (µg/mL)
Gentamicin	1,000
Hydroxyzine	100
Hyoscyamine HCl	100
Ibuprofen	5,000
Indomethacin	100
Lamotrigine	1,000
Levofloxacin	100
Lidocaine	1,000
Lithium heparin	5,000
Loratadine	500
Meperidine	1,000
Mesoridazine	1,000
Methadone	1,000
Methylphenidate	100
Metoclopramide	1,000
Metronidazole	100
Morphine	200
Nalbuphine	1,000
Naltrexone	1,000
Naproxen	5,000
Norfluoxetine HCl	1,000
Ofloxacin	100
Omeprazole	100
Oxazepam	1,000
Paroxetine	100
Phencyclidine	1,000

Compound	300 ng/mL Cutoff Concentration (µg/mL)
Phenelzine	100
Phenobarbital	1,000
Promethazine	100
Propoxyphene	1,000
Ranitidine	100
Risperidone	100
Scopolamine	1,000
Secobarbital	1,000
Spironolactone	1,000
Stavudine	1.0
Terbinafine	1,000
Thiopental	1,000
Thioridazine	1,000
Tobramycin	1,000
Tolmetin	1,000
Tramadol	500
Trazodone	1,000
Trimethoprim	5,000
Vancomycin	1,000
Venlafaxine	1,000