

CROSS REACTIVITY – Opiate 300

Various opiate compounds, metabolites and potential interfering substances in a human urine matrix were tested for cross-reactivity with the SYNCHRON Systems OP 300 assay. The following table summarizes the results obtained at the concentrations tested for each potential cross-reactant.¹

COMPOUND	CONCENTRATION (µg/mL)	EFFECT
Morphine (cutoff)	0.3	Positive
Codeine	0.3	Positive
Dihydrocodeine	0.6	Positive
Hydrocodone	1	Positive
Hydromorphone	1.5	Positive
Levorphanol	5	Positive
Morphine-3-glucuronide	0.7	Positive
Norcodeine	350	Positive
Oxycodone	25	Positive
Albuterol	1000	Negative
Amitryptiline	100	Negative
d-amphetamine	1000	Negative
Benzoylcegonine	1000	Negative
Caffeine	10	Negative
Chlorpromazine	10	Negative
Clomipramine	100	Negative
Desipramine	100	Negative
Dextromethorphan	100	Negative
Doxepine	100	Negative
Ephedrine	10000	Negative
Fentanyl	100	Negative
Fluoxetine	100	Negative

COMPOUND	CONCENTRATION (µg/mL)	EFFECT
Fluphenazine	100	Negative
Imipramine	100	Negative
Maprotiline	100	Negative
Meperidine	20	Negative
Methadone	500	Negative
Methapyrilene	1000	Negative
Metronidazole	1000	Negative
Naloxone	100	Negative
Naltrexone	2000	Negative
Normorphine	20	Negative
Nortriptyline	100	Negative
Oxazepam	250	Negative
Oxymorphone	17	Negative
Phencyclidine	1000	Negative
Phenobarbital	1000	Negative
Ranitidine	700	Negative
Secobarbital	1000	Negative
Thebaine	1.2	Negative
Thioridazine	100	Negative
Tramadol	100	Negative

¹ It is possible that other substances and/or factors (e.g. technical or procedural) not listed above may interfere with the test and cause false results.

² Data shown was collected using SYNCHRON CX Systems. Equivalency between SYNCHRON LX Systems has been established by Deming regression analysis to SYNCHRON CX Systems.