

## CROSS REACTIVITY - Amphetamines

Amphetamines, methamphetamines, amphetamine-like compounds, and various potential interfering substances in a human urine matrix were tested for cross-reactivity with the SYNCHRON Systems AMPH assay. The following table summarizes the results obtained at the concentrations listed for each potential cross-reactant.

**Table 3 Cross Reactivity<sup>1</sup>**

COMPOUND	CONCENTRATION (µg/mL)	EFFECT
d-Methamphetamine (cutoff)	1	Positive
d-amphetamine	1	Positive
Methylenedioxyamphetamine (MDA)	2.8	Positive
Methylenedioxymethamphetamine (MDMA)	2.5	Positive
Acetaminophen	1000	Negative
Acetylsalicylic Acid	1000	Negative
L-Amphetamine	12.5	Negative
Benzoylcegonine	1000	Negative
Benzphetamine	20	Negative
Bupropion	50	Negative
Buspirone	1000	Negative
Caffeine	1000	Negative
Chlorpromazine	500	Negative
Codeine	1000	Negative
Dextromethorphan	1000	Negative
D-Ephedrine	400	Negative
d,l-Ephedrine	500	Negative
L-Ephedrine	350	Negative
Fenfluramine	4	Negative
3-Hydroxy-Tyramine	500	Negative
Isoxsuprine	100	Negative

<sup>1</sup> 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. Data shown was collected using SYNCHRON CX Systems. Equivalency between SYNCHRON LX Systems has been established by Deming regression analysis to SYNCHRON CX Systems.

COMPOUND	CONCENTRATION ( $\mu\text{g/mL}$ )	EFFECT
Meperidine	1000	Negative
Mephentermine	25	Negative
Methadone	1000	Negative
l-Methamphetamine	10	Negative
Methapyrilene	500	Negative
Morphine	1000	Negative
Nor-pseudoephedrine	1000	Negative
Oxazepam	500	Negative
Phencyclidine	1000	Negative
Phendimetrazine	200	Negative
Phenethylamine	10	Negative
Phenmetrazine	50	Negative
Phenobarbital	1000	Negative
Phenothiazine	10	Negative
Phentermine	25	Negative
Phenylephrine	300	Negative
Phenylpropanolamine (PPA)	250	Negative
Procainamide	20	Negative
Promethazine	500	Negative
Propranolol	200	Negative
d-Pseudoephedrine	250	Negative
l-Pseudoephedrine	3000	Negative
Ranitidine	1000	Negative
Scopolamine	100	Negative
Secobarbital	1000	Negative
Setraline	1000	Negative
Thioridazine	1000	Negative
Trifluoperazine	1000	Negative

<b>COMPOUND</b>	<b>CONCENTRATION (µg/mL)</b>	<b>EFFECT</b>
Triflupromazine	1000	Negative
Trazodone	1000	Negative
Tyramine	500	Negative