

**Substances that elicit positive and false-positive results using
Siemens EMIT® II Plus reagents**

Siemens Emit® II Plus Amphetamines Assay (300ng Cutoff)

Calibrated with d-Methamphetamine at 300 ng/ml

Drug	ng/ml
MDEA	4,400
d,l-Amphetamine	625
d,l-Methamphetamine	450
l-Amphetamine	3,450
d-Amphetamine	300
l-Methamphetamine	725
Methylenedioxyamphetamine (MDA)	1,100
Methylenedioxymethamphetamine (MDMA)	5,200
1,3 Dimethylpentylamine	3,400
d,l-4-Methylamphetamine	4,400

Known False Positives

Benzphetamine ¹	400
Bupropion	250,000
4-Chloroamphetamine	26,000
Chloroquine	2,100,000
Erythro-Dihydrobupropion	20,000
l-Ephedrine	400,000
Fenfluramine	25,000
Donepezil	64,000
Isometetene	16,000
Mephentermine	8,000
Methoxyphenamine	90,000
Nor-pseudoephedrine	40,000
Phenmetrazine	23,000
Phentermine	58,000
Phenylpropanolamine (PPA)	700,000
Propranolol	100,000
d,l Pseudoephedrine	1,400,000
Quinacrine	2,500,000
Selegiline (Eldepryl)	2
Tranlycypromine	30,000
Tyramine	150,000

- 1 Benzphetamine is metabolized to amphetamine and methamphetamine.
- 2 Selegiline is metabolized to l-amphetamine and l-methamphetamine

Emit® d.a.u. Amphetamine Class Assay *calibrated with d-Amphetamine at 300 ng/ml*

Drug	ng/ml
d-Amphetamine	300
d,1-Amphetamine	300
d-Methamphetamine	1,000
Known False Positives	
D,1-Ephedrine	1,000
Diethylpropion	unk
Isometheptene	500
Isoxsuprine	6,000
Mephentermine	400
Nylidrin	2000
Phenelzine	unk
Phenmetrazine	1,000
Phenylephrine	unk
Pentermine	400
Phenylpropanolamine (PPA)	1,000
Pseudoephedrine	unk
Tranlycpromine	500
Labetalol	unk
Phenelzine	unk
N,N-dibenzylethylenediamine	unk