Is there an accurate way to screen for Heroin use?



Reliable solutions for drug testing

The proven Syva® EMIT® reagents and drug testing systems offered by Siemens Healthcare Diagnostics, provide you with the flexibility and capacity to meet all your drugs-of-abuse testing needs, including the ability to tailor your instrument and reagent combination to ideally suit your lab's requirements.

Siemens has more than 40 years of experience in drug testing diagnostics. Our support provides your laboratory with a high level of service, education, and training materials that enable you to keep up-to-date with the latest advancements in drugs-of-abuse testing.

Over the past two decades, the number of heroin confiscations has more than doubled. Furthermore, an increasing amount of morphine-type drugs are prescribed as analgesics that can cross-react with traditional opiate assays.

Can a rapid screen differentiate Heroin use from prescribed or 'over-the-counter' medications?

With the EMIT II Plus 6-Acetylmorphine (6-AM) assay, Siemens offers a safe and convenient way to selectively test for Heroin use without the need for expensive and time consuming alternate methods.

The EMIT II Plus 6-Acetylmorphine Assay provides:

- High specificity for 6-Acetylmorphine
- No cross-reactivity to morphine, morphine metabolites, and common analgesics
- Qualitative (10 ng/mL cut-off) and semi-quantitative results
- Low analytical sensitivity of 1.1 ng/mL
- >99% agreement with the reference method (GC/MS)

Add confidence to your drug testing program with assays and systems from Siemens.



EMIT II Plus 6-Acetylmorphine (6-AM) Assay

Answers for life.

SIEMENS

EMIT II Plus 6-Acetylmorphine (6-AM) Assay Specifications

EMIT II Plus 6-Acetylmorphine Assay Performance				
Assay Principle	Homogeneous Enzyme Multiplied Immunoassay (EMIT)			
Cutoff	10 ng/mL			
Assay Range	0–20 ng/mL			
Sample	Urine			
Reagent Stability	Unopened until expiration date; Opened working reagent, 4 weeks			
Calibration Frequency	Based on control results			

		Qualitative P	recision (m.	A/min)		
	11	Level Mean (mA/min)	Repeatability		Within-Lab	
	Levei		SD	%CV	SD	%CV
Control 1	7.5 ng/mL	558	1.5	0.3	7.0	1.3
Cutoff	10.0 ng/mL	591	1.7	0.3	6.5	1.1
Control 2	12.5 ng/mL	622	1.7	0.3	6.0	1.0
	S	emi-quantitati	ve Precision	n (ng/mL)		
	Laval	Mean	Repeatability		Within-Lab	
	Level	(ng/mL)	SD	%CV	SD	%CV
Control 1	7.5 ng/mL	8.7	0.12	1.4	0.43	5.1
Cutoff	10.0 ng/mL	11.3	0.14	1.5	0.48	4.2
Control 2	12.5 ng/mL	14.2	0.16	1.1	0.50	3.5

Ordering Information					
9R129UL	EMIT II Plus 6-AM Assay, large	R1 = 1000 mL and $R2 = 500 mL$			
9R039UL	EMIT II Plus 6-AM Assay, small	R1 = 28 mL and R2 = 14 mL			
9A509UL	EMIT Calibrator/Control Level 0	14 mL			
9R529UL	EMIT II Plus 6-AM/Ecstasy Calibrator/Control Level 1	10 mL			
9R549UL	EMIT II Plus 6-AM/Ecstasy Calibrator/Control Level 2	10 mL			
9R569UL	EMIT II Plus 6-AM/Ecstasy Calibrator/Control Level 3	10 mL			
9R589UL	EMIT II Plus 6-AM/Ecstasy Calibrator/Control Level 4	10 mL			

1. World Drug Report 2009, United Nations Office on Drugs and Crime (UNODC)

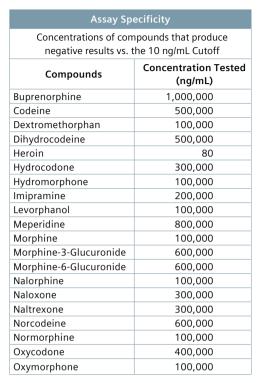
EMIT, Viva, Viva-E, and all associated marks are trademarks of Siemens Healthcare Diagnostics Inc. All other trademarks and brands are the property of their respective owners. Product availability may vary from country to country and is subject to varying regulatory requirements. Please contact your local representative for availability.

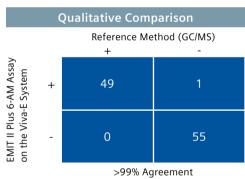
Global Siemens Headquarters

Siemens AG Wittelsbacherplatz 2 80333 Muenchen Germany

Global Siemens Healthcare Headquarters

Siemens AG Healthcare Sector Henkestrasse 127 91052 Erlangen, Germany Phone: +49 9131 84 - 0 www.siemens.com/healthcare





Global Division

Siemens Healthcare Diagnostics Inc. 511 Benedict Avenue Tarrytown, NY 10591-5005 USA www.siemens.com/diagnostics

www.siemens.com/diagnostics