



6-AM ELISA Kit

6-AM Background

Heroin is a synthetic diacetylated analog of morphine. Following administration, heroin is quickly metabolized and undergoes rapid deacetylation to 6-acetylmorphine (6-AM), which is about six times more potent than morphine. 6-AM is then more slowly deacetylated to morphine. The effects of heroin are attributed to the combined effect of heroin, 6-AM, and morphine.

Diacetylmorphine → 6-Acetylmorphine (6-AM) → Morphine

The 6-AM metabolite can be found in typical forensic matrices including urine, blood, and oral fluid. The presence of 6-AM is a definitive biomarker for heroin abuse and allows for specific heroin monitoring without interference from legally prescribed synthetic opiates.

NEOGEN® has developed an ELISA kit for the specific detection of 6-AM to better serve our clients. NEOGEN's 30 year history of developing ELISA kits is just one reason laboratories trust us to be their preferred test kit source.

References

National Institute on Drug Abuse. Heroin Retrieved from <https://www.drugabuse.gov/publications/drugfacts/heroin>
<http://www.cdc.gov/vitalsigns/heroin/>

Product Features

- Specific and sensitive detection of 6-AM
- Validated for urine, whole blood, serum, oral fluid, and with the NeoSal
- Expands NEOGEN's industry leading opioids panel, includes assays for Fentanyl and Carfentanil

Cross-reactivity

Compound	Compound Concentration (ng/mL)	% Cross-reactivity
6-Acetylmorphine	3.0	100
Levorphanol	500	0.6
Morphine	7,100	0.04
Heroin	7,500	0.04
Norcodeine	10,000	0.03

Order Details

Product	Available Sizes	Product Number
6-AM (RTU) Forensic Kit	96-well package	134019
	480-well package	134015

Call 800.477.8201 to order or visit NEOGEN.com

