

Serstech SERS kit



A photograph of the Serstech SERS kit components on a laboratory bench. In the center is a black handheld device with a screen displaying a red spectrum plot and the word 'Narcotic'. To the left of the device are three small, clear plastic bottles with green caps, labeled 'SERSTECH'. Behind them is a large glass bottle labeled '1M HCl' and 'FRÄNDE'. To the right of the device is a white mortar and pestle. The background is a plain, light-colored wall.

Simplicity. Speed. Precision.

Quick identification of difficult substances

The Serstech SERS kit is used together with Serstech Arx mkII to enhance the capability to identify dark coloured substances or mixtures with very low concentrations, the detection limits of many substances is at approx 200 ppm.

The device is capable of detecting very low amounts of “street quality” narcotics samples, including heroin and fentanyl variants.

The Serstech SERS kit is based on patented technology, which amplifies the Raman signal significantly, while the effects of fluorescence is reduced.

The disposable surfaces are available in packs of 20 or 100 and are delivered together with sample preparation bottles pre-filled with solvent.

Heroin • Fentanyl • Meth Amphetamine • Ketamine • Cocaine • Amphetamine
• Low concentration street samples





Specifications

Detection limit	Down to 200 ppm
Size	39 x 44mm / 1.53 x 1.73 inch
Weight	67g / 2.36 oz
Weight, including case and accessories	905g / 32 oz
Included in the package	Adapter, 5 x sample preparation bottle containing solvent fluid, 5 disposable SERS plates, Allen key for battery exchange, quick start guide
Solvent	Methanol, 3ml / 0.1 fl. oz. (CAS 67-56-1). Note: Due to local regulations, methanol cannot be shipped to all countries
Battery type	Primary lithium battery, LS 14250, 3.6 V, Primary lithium-thionyl chloride (LiSOCl ₂), High energy density, 1/2 AA-size bobbin-cell
Battery use	Approximately 300 measurements

