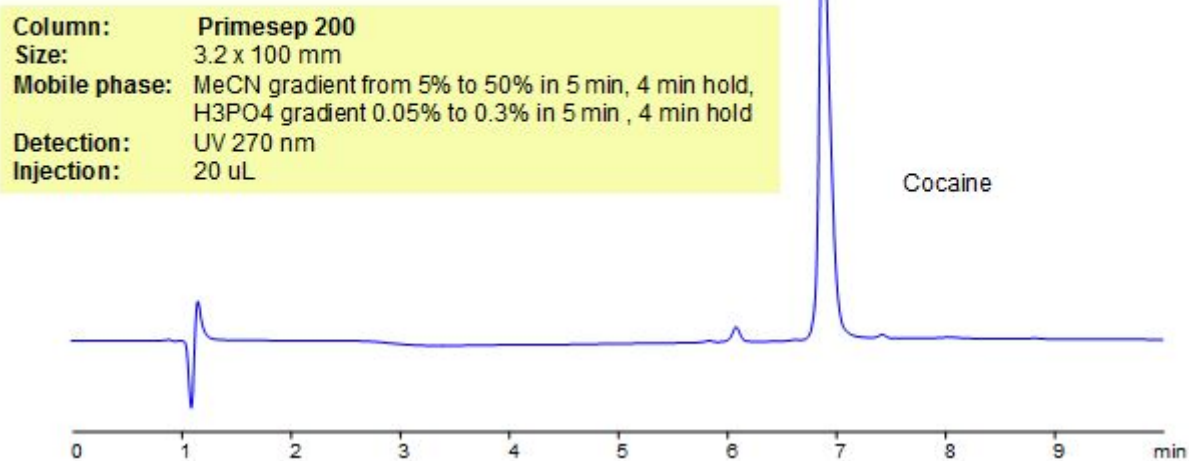


# HPLC Method for Analysis of Cocaine

<https://sielc.com/HPLC-Method-Analysis-Cocaine>

## Chromatogram



Chr\_1041

## Description

Cocaine, also known as coke, is mostly used as a recreational drug. It is a strong stimulant. The drug's most common appearance in powder form is a salt, usually cocaine hydrochloride. Due to Cocaine rapidly metabolizing in the body, so if it's ingested/inhaled, its concentration in urine usually does not exceed 10% that of its principal metabolite, benzoylecgonine. Primesep 200, a reverse phase column, contains embedded acidic ionizable groups and can retain Cocaine. The method is UV compatible and can be used as a general approach for analyzing similar compounds.

## Method Parameters

|                     |                                               |
|---------------------|-----------------------------------------------|
| Mobile Phase        | Gradient MeCN – 5-50%                         |
| Buffer              | Gradient H3PO4 – 0.05-0.3%, 5 min, 4 min hold |
| Flow Rate           | 0.5 ml/min                                    |
| Detection           | UV, 270 nm                                    |
| Class of Compounds  | Drug, Acid, Hydrophilic, Ionizable,           |
| Analyzing Compounds | Cocaine                                       |

## HPLC Column Used

**Primesep 200, 3.2×100 mm, 5 µm, 100A**

[Order this column at hplc-shop.de →](#)