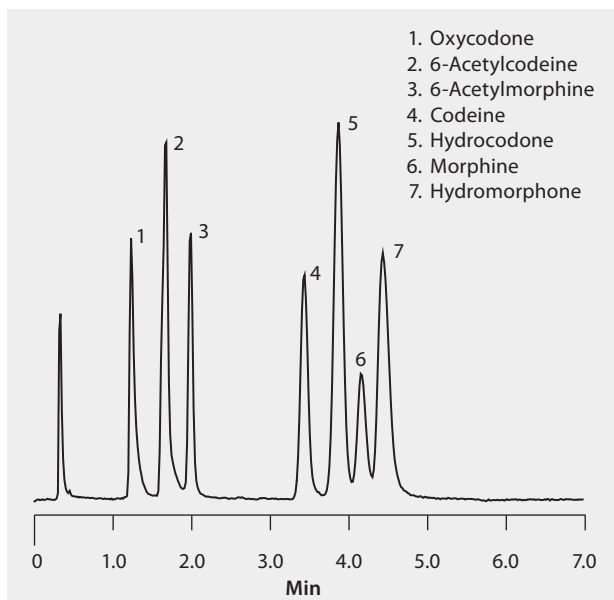


LC-MS (TOF) Analysis of Opioids and Opiate-Dependence Management Drugs on Ascentis® Express HILIC

The rapid analysis by HPLC with TOF-MS detection of seven opioids is shown here using an Ascentis Express HILIC column. Cerilliant CRMs were used to ensure reliable MS identification and quantification.

market focus Clinical Testing; Forensics and Toxicology
 column Ascentis Express HILIC, 5 cm x 2.1 mm I.D., 2.7 µm particles (53934-U)
 mobile phase 2 mM ammonium formate in 90:10 (v:v) acetonitrile:water
 flow rate 0.3 mL/min
 column temp. 55 °C
 detector TOF/MS
 injection 2 µL
 sample 400 ng/mL in acetonitrile
 Application No. **G006153**



Components

Oxycodone solution ([Cerilliant O-002](#))
 6-Acetylcodeine solution ([Cerilliant A-053](#))
 6-Acetylmorphine, 1.0 mg/mL solution ([Cerilliant A-009](#))
 Codeine solution ([Cerilliant C-006](#))
 Hydrocodone solution ([Cerilliant H-003](#))
 Morphine solution ([Cerilliant M-005](#))
 Hydromorphone solution ([Cerilliant H-004](#))

Related Products

analytical column
 Ascentis® Express HILIC, 2.7 Micron HPLC Column ([Supelco 53934-U](#))
eluent
 Acetonitrile ([Fluka 14261](#))
 Ammonium formate ([Fluka 70221](#))
 Water ([Fluka 14263](#))
standard
 6-Acetylcodeine solution ([Cerilliant A-053](#))
 6-Acetylmorphine, 1.0 mg/mL solution ([Cerilliant A-009](#))
 Codeine solution ([Cerilliant C-006](#))
 Hydrocodone solution ([Cerilliant H-003](#))
 Hydromorphone solution ([Cerilliant H-004](#))
 Morphine solution ([Cerilliant M-005](#))
 Oxycodone solution ([Cerilliant O-002](#))