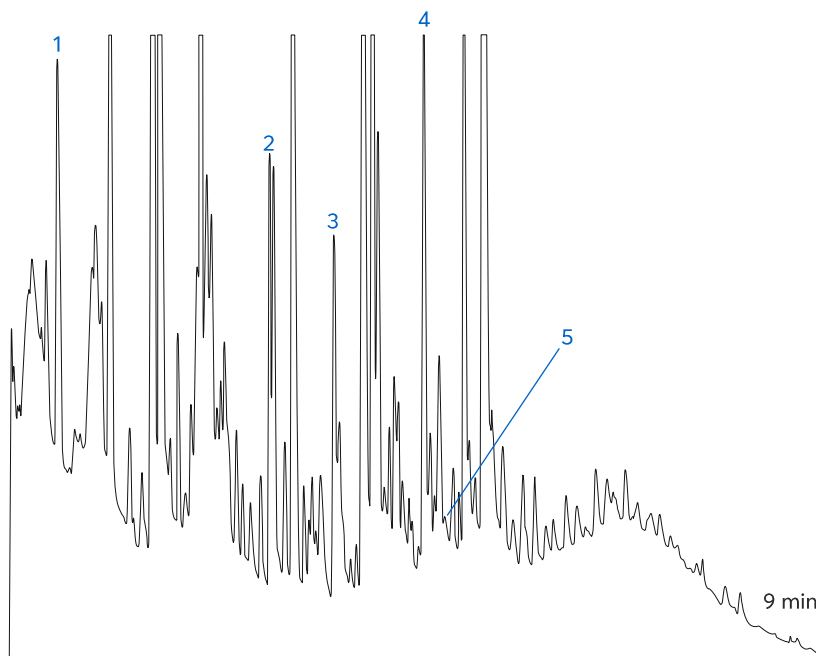


Application note # C-13043

Fast Separation of Cocaine and Adulterants in Plasma using the Avantor[®] Hichrom HI-5 Phase



1. Ecgonidine (ME) – 3.390 min
2. Caffeine – 4.870 min
3. Tetramisole – 5.320 min
4. Cocaine – 5.940 min
5. Benzoyllecgonine (TMS) – 6.080 min

Figure 1: Fast separation of cocaine and adulterants in plasma using the Avantor[®] Hichrom HI-5 phase.

Method Details

CONDITIONS

Oven Program:	50 °C, 35 °C/min, 300 °C (2 min)
Carrier Gas:	Helium, 0.6 mL/min
Injector:	Splitless 280 °C, 1 µL injection volume
Detector:	TOF-MS system

The HI-5 is a versatile general-purpose column with a low-polarity stationary phase with a 5% phenyl, 95% methyl polysiloxane composition. It is well suited to a variety of applications including pesticides, essential oils, PCBs, semi-volatiles, solvent impurities, phenols and many more.

ORDERING TABLE

Product	Details	Dimensions	Part Number
Avantor® Hichrom HI-5	FAST GC Column	0.10 mm, 0.10 µm, 10 m	HI02-10-010-10