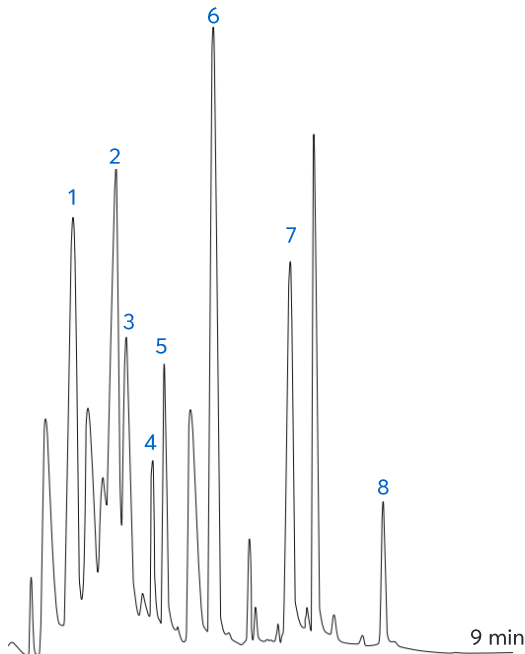


Application note # C-13042

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



1. Phenacetin - 4.450 min
2. Caffeine - 4.900 min
3. Lidocaine - 5.000 min
4. Levamisole - 5.270 min
5. Procaine - 5.400 min
6. Cocaine - 5.920 min
7. Ethylmorphine - 6.720 min
8. Diltiazem - 7.690 min

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

Method Details

CONDITIONS

Oven Program:	50 °C, 35 °C/min, 300 °C (2min)
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