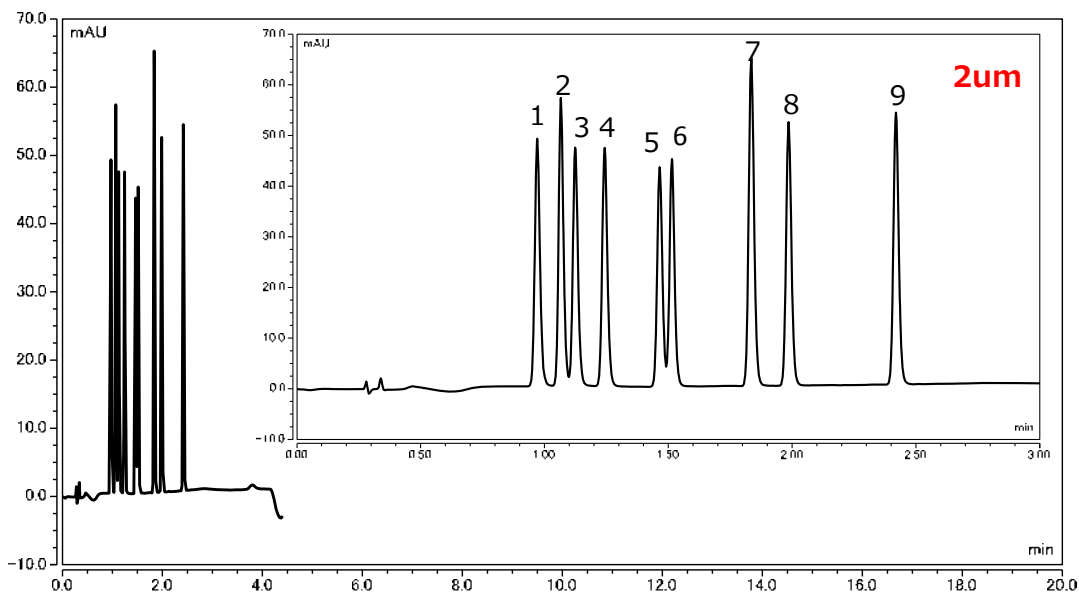
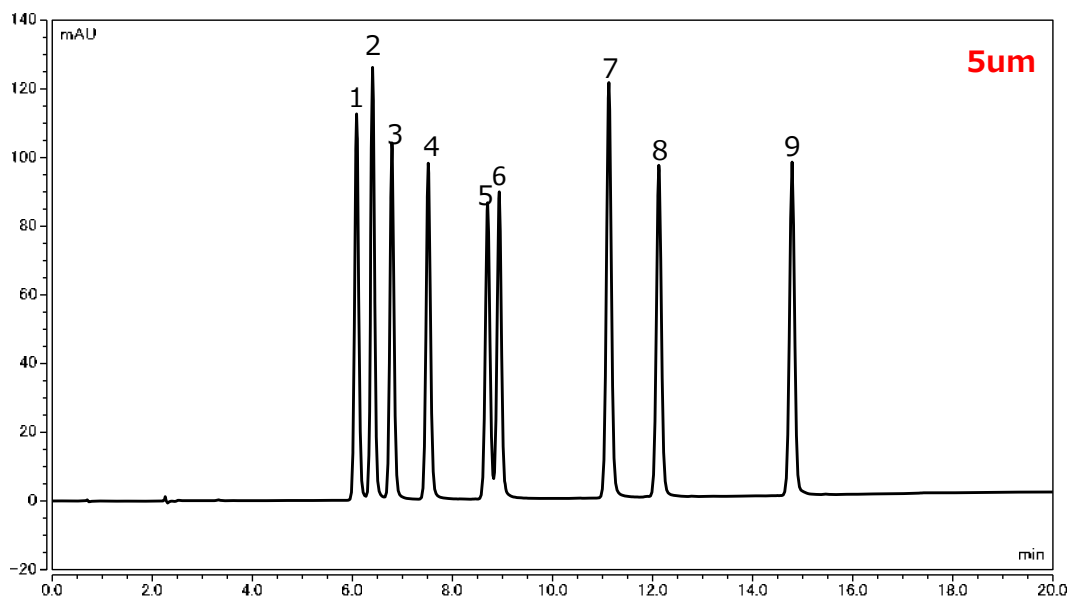


Develosil Application Data

No.097 Sulfa drugs (UHPLC)



Conditions;

Column: Develosil HSR AQ C18, 5um (4.6x150mm)
Develosil HSR AQ C18, 2um (2.0x50mm)

Mobile phase: A) Water + 0.1%HCOOH
B) Acetonitrile + 0.1%HCOOH

Flow rate: 1.0mL/min (5um)
0.474mL/min (2um)

Temperature: 40°C

Detection: 275nm

Sample: 1.Sulfadiazine (0.08mg/mL)
2.Sulfathiazole (0.10mg/mL)
3.Sulfapyridine (0.10mg/mL)
4.Sulfamerazine (0.09mg/mL)
5.Sulfamethazine (0.09mg/mL)
6.Sulfamethoxypyridazine (0.09mg/mL)
7.Sulfachloropyridazine (0.10mg/mL)
8.Sulfamethoxazole (0.10mg/mL)
9.Sulfadimethoxine (0.10mg/mL)

Injection volume: 2.0uL (5um)
0.16uL (2um)

System: Thermo Fisher SCIENTIFIC Vanquish_Horizon

Mixer volume: 10uL

Gradient:

5um		
Time(min)	%B	Curve
0	10	5
15	40	5
25	40	5
25.1	10	5

2um		
Time(min)	%B	Curve
0	10	5
2.2	40	5
3.67	40	5
3.68	10	5