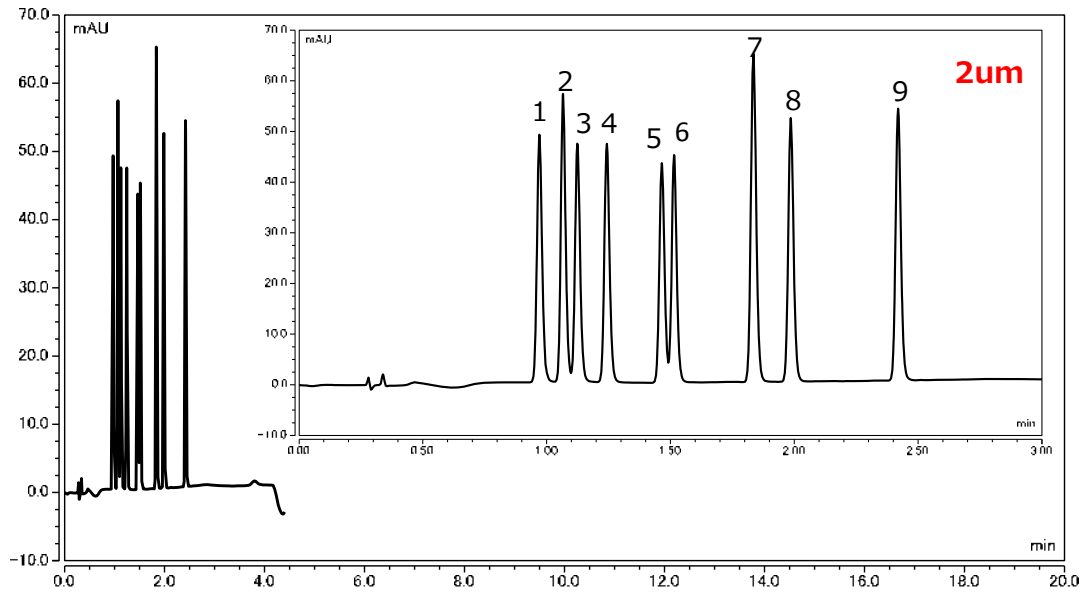
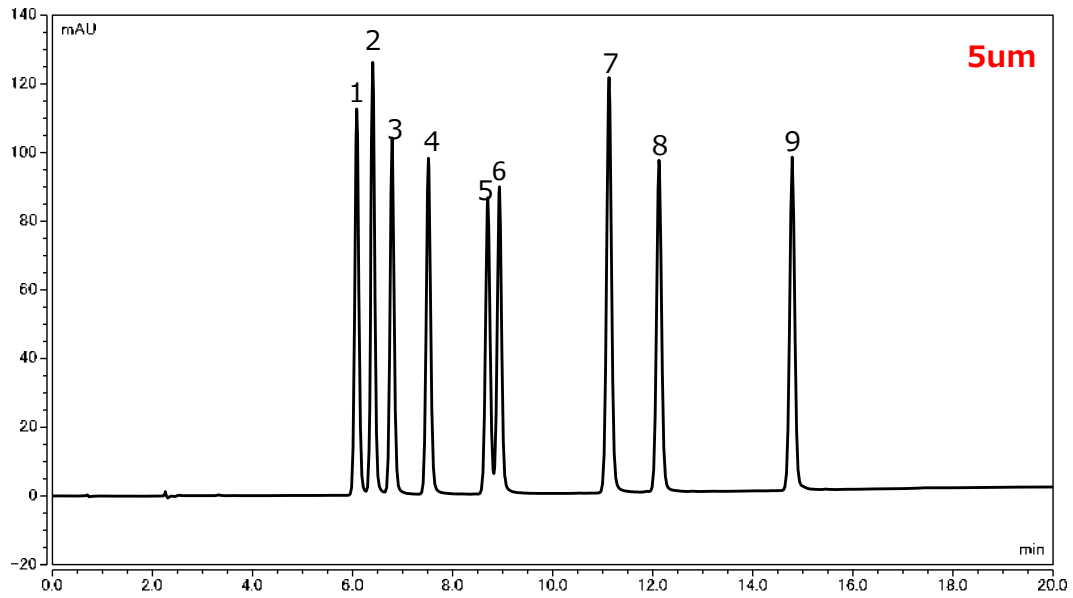


# Develosil Application Data

## 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