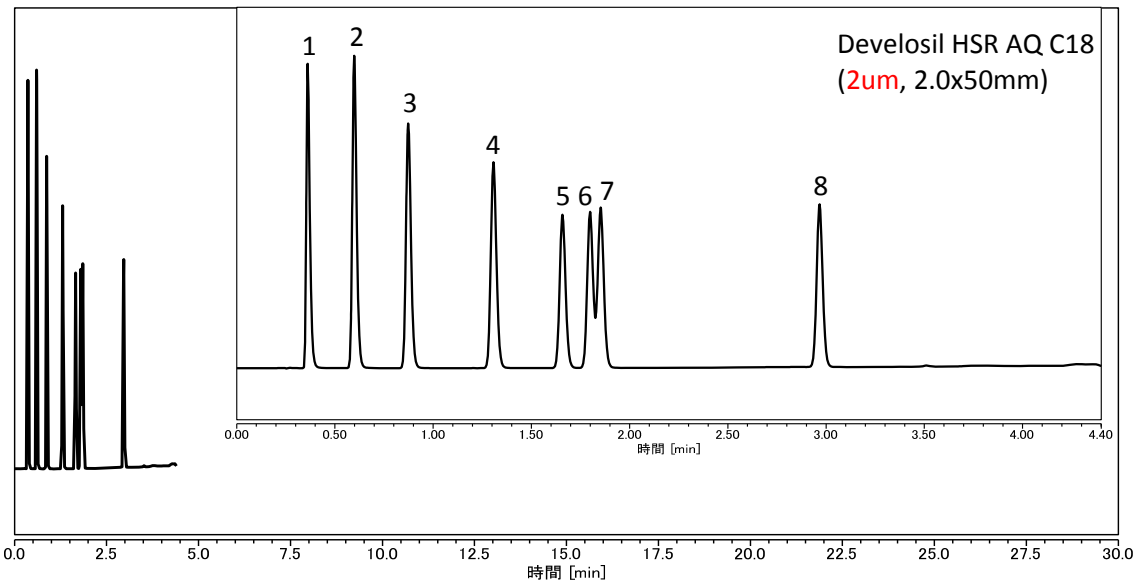
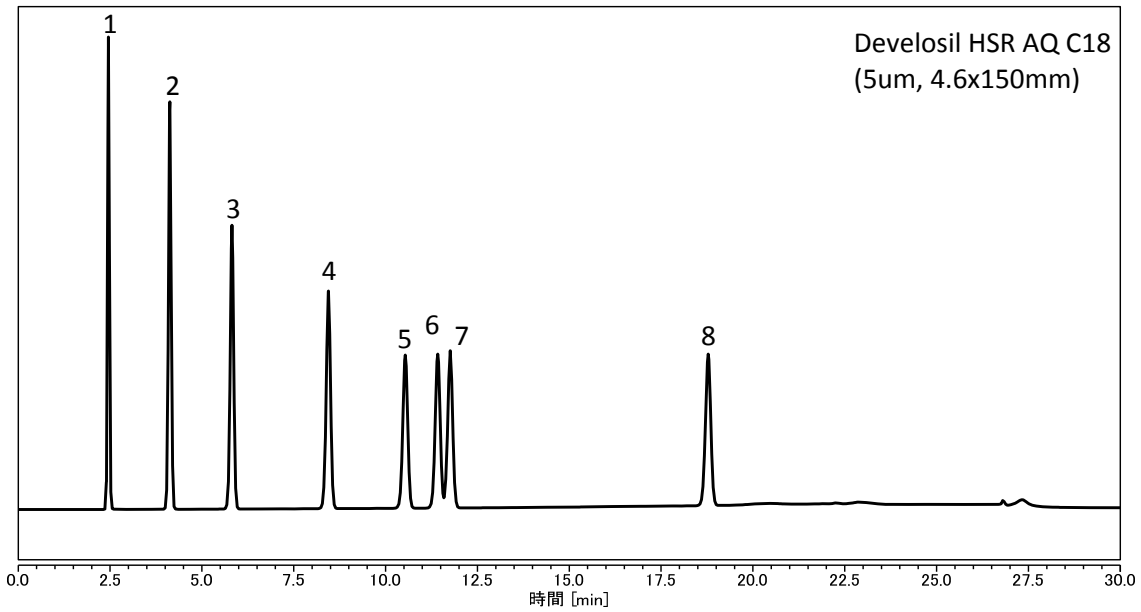


# Develosil Application Data

## No.098 *p*-Hydroxybenzoic acid esters (UHPLC)



**Conditions;**

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

Mobile phase: A) 0.1% $H_3PO_4$   
B) Methanol

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

Temperature: 40°C

Detection: 270nm

Sample: 1.p-Hydroxybenzoic acid (0.53mg/mL)  
2.Methyl p-hydroxybenzoate (0.54mg/mL)  
3.Ethyl p-Hydroxybenzoate (0.54mg/mL)  
4.Propyl p-hydroxybenzoate (0.54mg/mL)  
5.sec-butyl p-hydroxybenzoate (0.56mg/mL)  
6.Isobutyl p-Hydroxybenzoate (0.63mg/mL)  
7.Butyl p-Hydroxybenzoate (0.60mg/mL)  
8.Hexyl p-Hydroxybenzoate (0.53mg/mL)

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

System: Thermo Fisher SCIENTIFIC Vanquish\_Horizon

Mixer volume: 10uL

**Gradient:**

<b>5um</b>			<b>2um</b>		
Time(min)	%B	Curve	Time(min)	%B	Curve
0	55	5	0	55	5
20	80	5	2.93	80	5
25	80	5	3.67	80	5
25.1	55	5	3.68	55	5