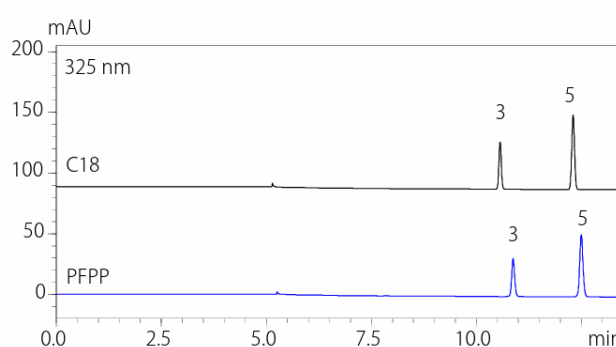
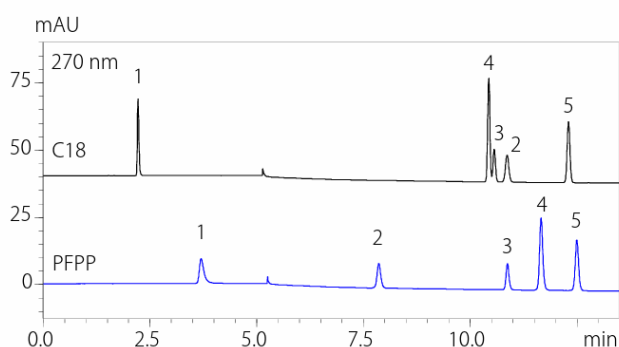


CoreFocus
Report
No.455

LC Reversed-phase Shim-pack™ Series

**Shim-pack Scepter™ C18-120,
Shim-pack Scepter PFPP-120
Analysis of Functional components in
coffee**

Keywords: Acidic compounds, Basic compounds, Polar compounds



1. Trigonelline
2. Pyrocatechol
3. Chlorogenic acid
4. Caffeine
5. Caffeic acid
(10 mg/L)

System	: Nexera™ lite
Column (C18)	: Shim-pack Scepter C18-120 (150 mm L x 4.6 mm I.D., 3 μm), P/N : 227-31016-05
Column (PFPP)	: Shim-pack Scepter PFPP-120 (150 mm L x 4.6 mm I.D., 3 μm), P/N : 227-31057-05
Mobile phase	: A) 20 mmol/L (Sodium) phosphate buffer (pH 2.6) B) Acetonitrile
Time Program	: 0%B (0.00-1.00min)→10%B (4.00min)→20%B (10.00-12.00min) →70%B (12.01-13.00 min)→0%B (13.01-18.00min)
Mixer	: 180 μL
Column temp.	: 25 °C
Injection vol.	: 5 μL
Detection (PDA)	: Ch1 : 270 nm, Ch2 : 325 nm (SPD-M40)
Vial	: LabTotal™Vial for LC/LCMS, P/N : 227-34001-01

Source : Application News an_01-00280 ([JP](#), [ENG](#))

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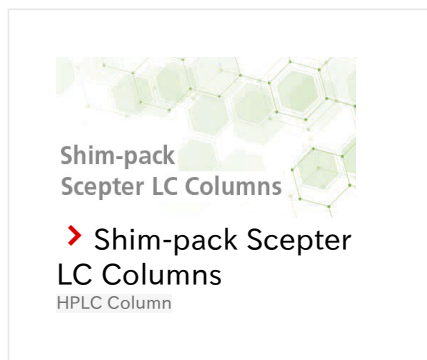
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