

CoreFocus
Report

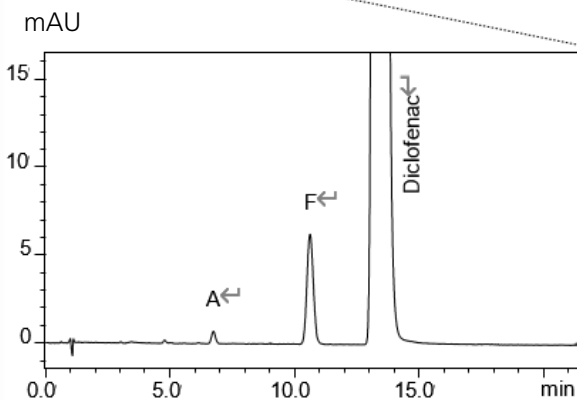
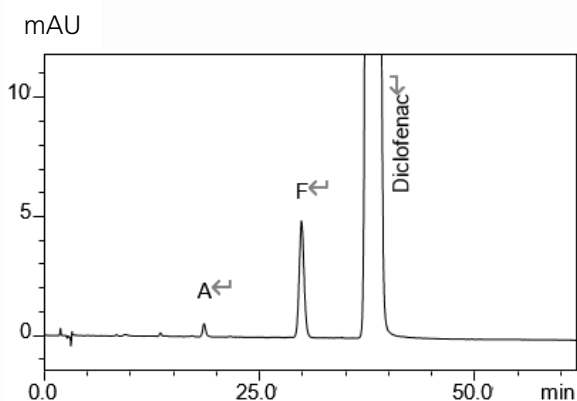
No.118

LC Reversed-phase Shim-pack Series

Shim-pack™ GIST C18

Analysis of Diclofenac Sodium

Keywords: anti-inflammatory, NSAIDs



Chromatograms of Diclofenac Sodium (1.0 mg/mL)
Upper: Conventional Analysis Using HPLC Flow Line (Column 1)
Lower: High Speed Analysis Using UHPLC Flow Line (Column 2)

System	: Nexera™-i MT
Column 1 (Conventional)	: Shim-pack GIST C18 (250 mm L x 4.6 mm I.D., 5 μm) P/N : 227-30017-08
Flow rate 1	: 0.8 mL/min
Column 2 (High speed)	: Shim-pack GIST C18 (150 mm L, x 4.6 mm I.D., 3 μm) P/N : 227-30011-07
Flow rate 2	: 1.4 mL/min
Mobile phase	: A) Sodium phosphate buffer (pH 2.5) B) Methanol A/B=34/66 (v/v)
Column temp.	: 25 °C
Injection volume	: 20 μL
Detection	: UV 254 nm

Source : Application News L518 ([JP](#), [ENG](#))

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