



1 Carnitine

Conditions of Primary separation and Focusing

Precolumn	CAPCELL PAK MF C8 SG80 : 4.6 mm i.d.×50 mm
Intermediate column	CAPCELL PAK C18 UG80 S5 : 1.5 mm i.d.×35 mm
Mobile phase	100mmol/L CH ₃ COONH ₄ (pH3.5, CH ₃ COOH) / CH ₃ CN = 90 / 10
Flow rate	[valve position A] 500 µL/min [valve position B] 250 µL/min
Detect	FL
Inj. vol.	2.0 µL

Conditions of Final separation

Analytical column	CAPCELL PAK C18 UG120 S5 : 1.5 mm i.d.×250 mm
Mobile phase	100mmol/L CH ₃ COONH ₄ (pH3.5, CH ₃ COOH) / CH ₃ CN = 70 / 30
Flow rate	100 µL/min

Temperature 40 °C

Detect FL Ex. 248 nm, Em. 418 nm