

D-Amino Acid for Microdialysis

< HPLC Conditions >

HPLC-ECD system	HTEC-510 (OFFLINE :M-510)
Separation Column	Eicompak EX-3ODS (φ4.6 × 100 mm)
Precolumn for sample	PC-03-CA (φ3.0 × 4.0 mm)
Precolumn for Mobile Phase	PC-04-CA (φ4.0 × 5.0 mm)
Mobile Phase A	100 mM phosphate buffer (pH 6.0) – Methanol (82 : 18, v/v) 5 mg/L EDTA-2Na
Mobile Phase B	100 mM phosphate buffer (pH 6.0) – Methanol (60 : 40, v/v) 5 mg/L EDTA-2Na
Flow rate	500 μL/min
Column Temp.	30 °C
Working Electrode	WE-GC (Glassy carbon) or WE-PG(Pure graphite)
Gasket	GS-25
Applied potential	+600 mV vs. Ag/AgCl
Time Constant	3.0 sec

Mobile Phase A 1000 mL

100 mM phosphate buffer (pH 6.0)	Methanol	EDTA · 2Na
820 mL	180 mL	5 mg

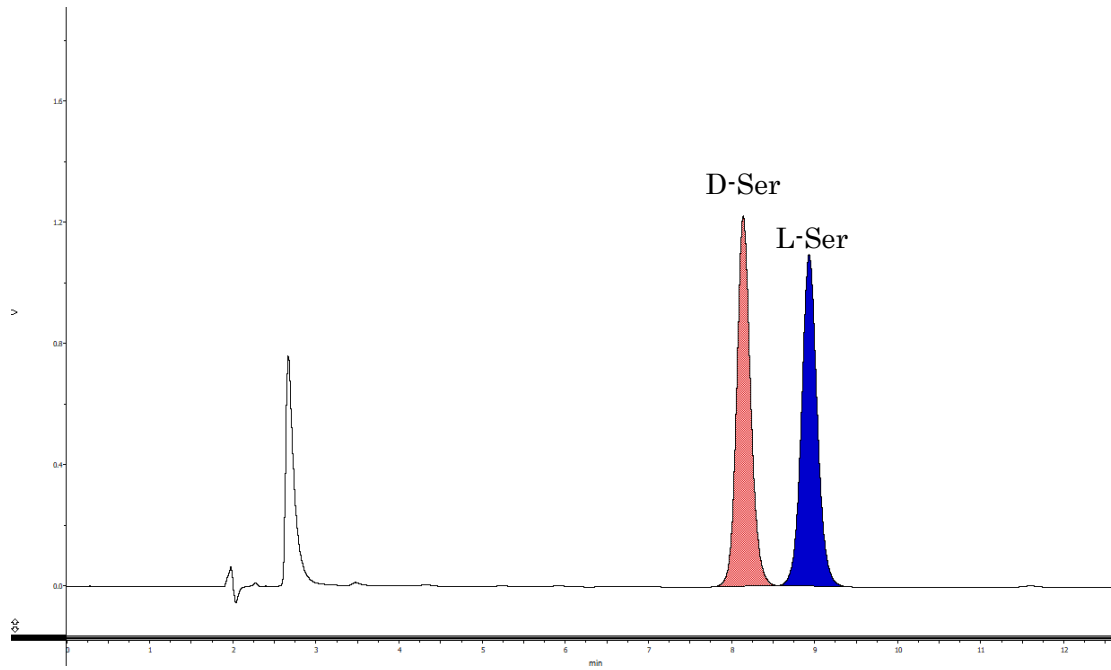
Mobile Phase B 1000 mL

100 mM phosphate buffer (pH 6.0)	Methanol	EDTA · 2Na
600 mL	400 mL	5 mg

100 mM phosphate buffer (pH 6.0) 1000 mL

NaH ₂ PO ₄ ·2H ₂ O	NaHPO ₄ ·12H ₂ O	H ₂ O
13.45 g	4.94 g	1000 mL

Standard solution



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