

# Amino Acids for Microdialysis

## < HPLC Conditions >

HPLC-ECD system	HTEC-510
Separation Column	Eicompak SA-5ODS (φ3.0 × 150 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 (73 : 27, v/v) 5 mg/L EDTA-2Na
Mobile Phase B	100 mM phosphate buffer (pH 6.0) – Methanol (30 : 70, 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

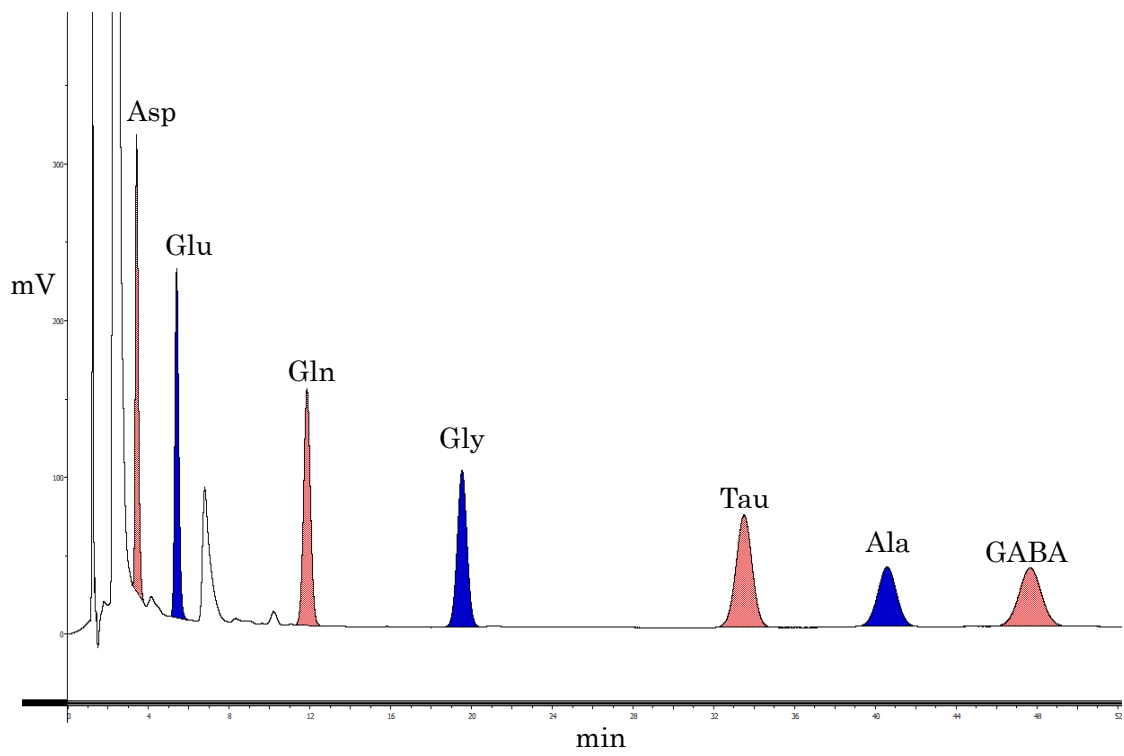
100 mM phosphate buffer (pH 6.0)	Methanol	EDTA · 2Na
730 mL	270 mL	5 mg

### Mobile Phase B 1000 mL

100 mM phosphate buffer (pH 6.0)	Methanol	EDTA · 2Na
300 mL	700 mL	5 mg

### 100 mM phosphate buffer (pH 6.0) 1000 mL

NaH <sub>2</sub> PO <sub>4</sub> ·2H <sub>2</sub> O	Na <sub>2</sub> HPO <sub>4</sub> ·12H <sub>2</sub> O	H <sub>2</sub> O
13.45 g	4.94 g	1000 mL



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