

Monoamines & Metabolites for Tissue, Blood and Other Samples

< HPLC Conditions >

HPLC-ECD system	HTEC-510
Separation Column	Eicompak SC-5ODS (φ3.0 × 150 mm)
Precolumn for sample	PC-03-AC (φ3.0 × 4.0 mm)
Precolumn for mobile phase	PC-04-AC (φ4.0 × 5.0 mm)
Mobile Phase	100 mM citrate-acetate buffer (pH 3.5) – Methanol (83 : 17, v/v) 190 mg/L sodium octane sulfonate (SOS) and 5 mg/L EDTA-2Na
Flow rate	500 μL/min
Column Temp.	25 °C
Working Electrode	WE-3G (Graphite)
Gasket	GS-25
Applied potential	+750 mV vs. Ag/AgCl
Time Constant	3.0 sec

Mobile Phase 1000 mL

100 mM citrate-acetate buffer (pH 3.5)	Methanol	sodium octane sulfonate (SOS)	EDTA · 2Na
830 mL	170 mL	190 mg	5 mg

100 mM citrate-acetate buffer (pH 3.5) 830 mL

citric acid monohydrate	sodium acetate	H ₂ O
9.18 g	3.23 g	830 mL

The following solutions are used in the preparation of standard solutions.

- Solution A 0.1 M acetic acid including 1 mg/ml EDTA-2Na
- Solution B 0.1 M hydrochloric acid including 1 mg/ml EDTA-2Na
- Solution C 0.02 M acetic acid including 10 μM EDTA-2Na

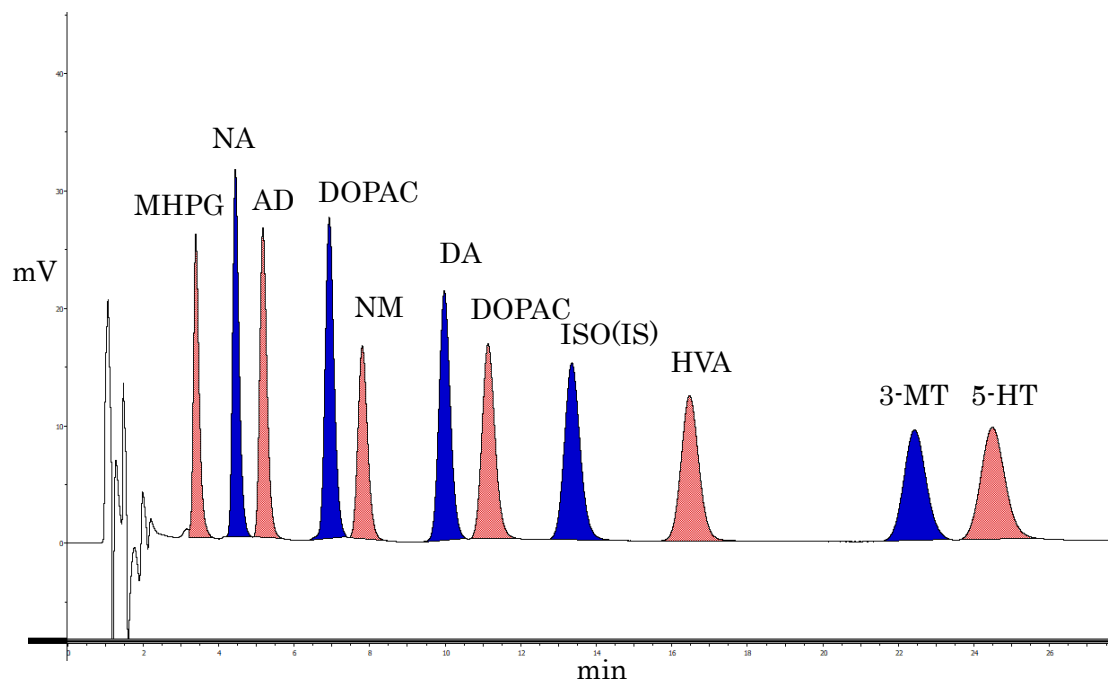


Fig. 1 Standard (100pg/inj.) Chromatogram.

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