

# Lactate (Enzymatic) for Microdialysis

## < HPLC Conditions >

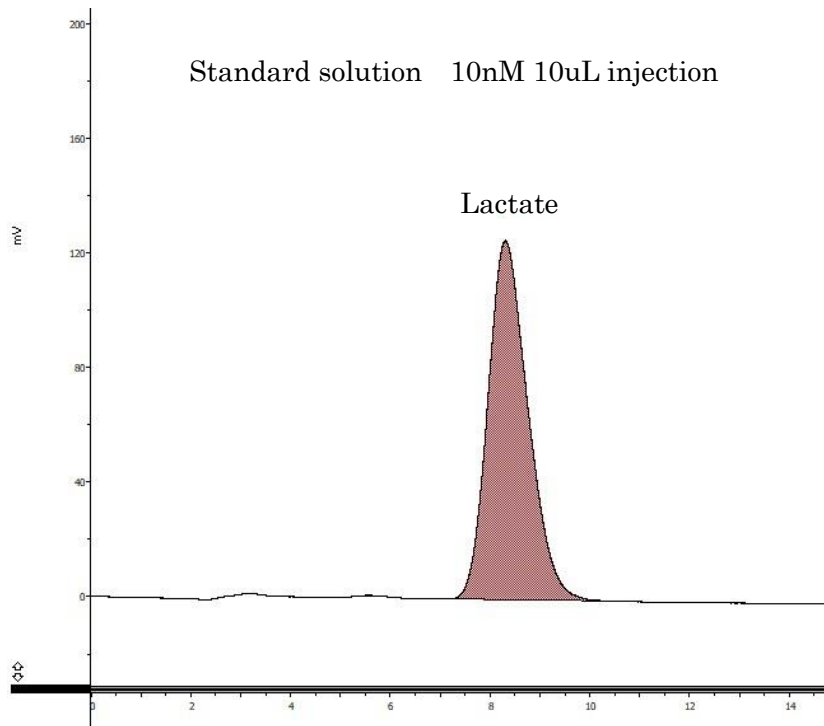
HPLC-ECD system	HTEC-510 ( <b>ONLINE</b> :EAS-20S, <b>OFFLINE</b> :M-510/514)
Separation Column	Eicompak LT-GEL (φ2.0 × 150 mm)
Enzymatic column	LT-ENZYMPAK (φ4.0 × 5.0 mm)
Precolumn for sample	PC-03-CH (φ3.0 × 4.0 mm)
Precolumn for Mobile Phase	PC-04-CH (φ4.0 × 5.0 mm)
Mobile Phase	Contains 100 mg/L Tetra-n-hexylammonium bromide 100 mM phosphate buffer (pH 7.0)
Flow rate	150 μL/min
Column Temp.	33 °C
Working Electrode	WE-PT (Platinum)
Gasket	GS-25P
Applied potential	+450 mV vs. Ag/AgCl
Time Constant	3.0 sec

### Mobile Phase 1000 mL

100 mM phosphate buffer (pH 7.0)	Tetra-n-hexylammonium bromide
1000 mL	100 mg

### 100 mM phosphate buffer (pH 7.0) 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
5.85 g	22.375 g	1000 mL



**Eicom Corporation HQ**

113 Kita Enmenden-cho Shimotoba, Fushimi-ku Kyoto, Japan 612-8497

<https://www.eicom-usa.com>