

8-OH-dG for Microdialysis

< HPLC Conditions >

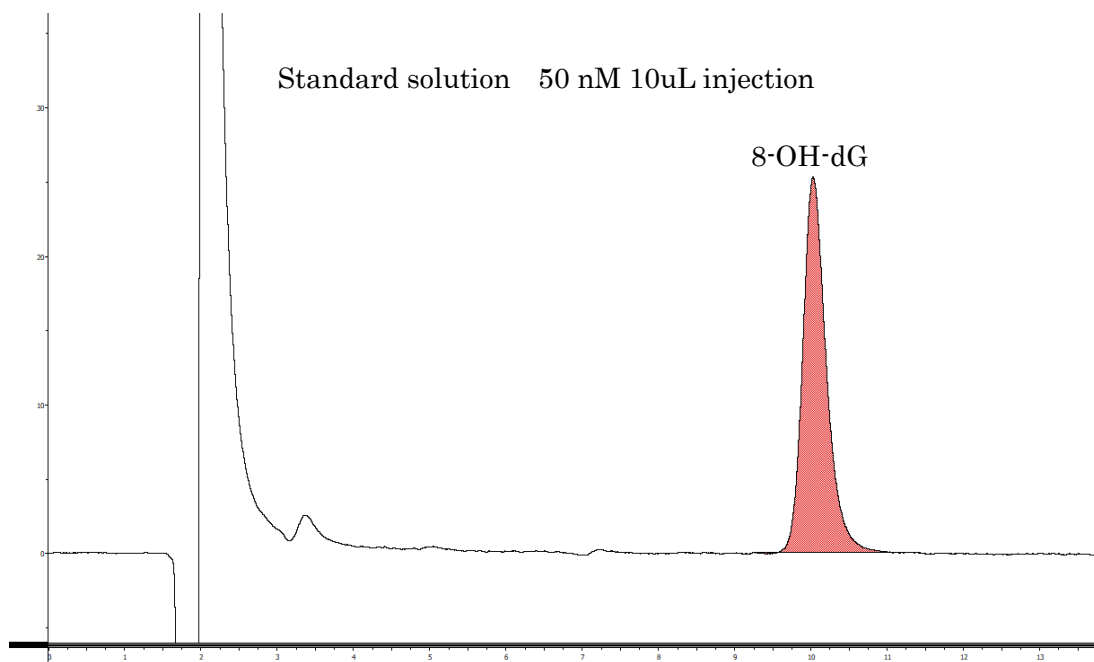
HPLC-ECD system	HTEC-510 (ONLINE :EAS-20S, OFFLINE :M-510/514)
Separation Column	Eicompak CA-5ODS (φ2.1 × 150 mm)
Precolumn for sample	PC-03-CA (φ3.0 × 4.0 mm)
Precolumn for mobile phase	PC-04-CA (φ4.0 × 5.0 mm)
Mobile Phase	100 mM phosphate buffer (pH 6.0) – Methanol (97 : 3, v/v) 100 mg/L sodium octane sulfonate (SOS) and 5 mg/L EDTA-2Na
Flow rate	230 μL/min
Column Temp.	30 °C
Working Electrode	WE-3G (Graphite)
Gasket	GS-25
Applied potential	+550 mV vs. Ag/AgCl
Time Constant	3.0 sec

Mobile Phase 1000 mL

100 mM phosphate buffer (pH 6.0)	Methanol	Sodium Octane Sulfonate (SOS)	EDTA · 2Na
970 mL	30 mL	100 mg	5 mg

100 mM phosphate buffer (pH 6.0) 1000 mL

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



Eicom Corporation HQ

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

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