

8-OH-dG for Microdialysis

< HPLC Conditions >

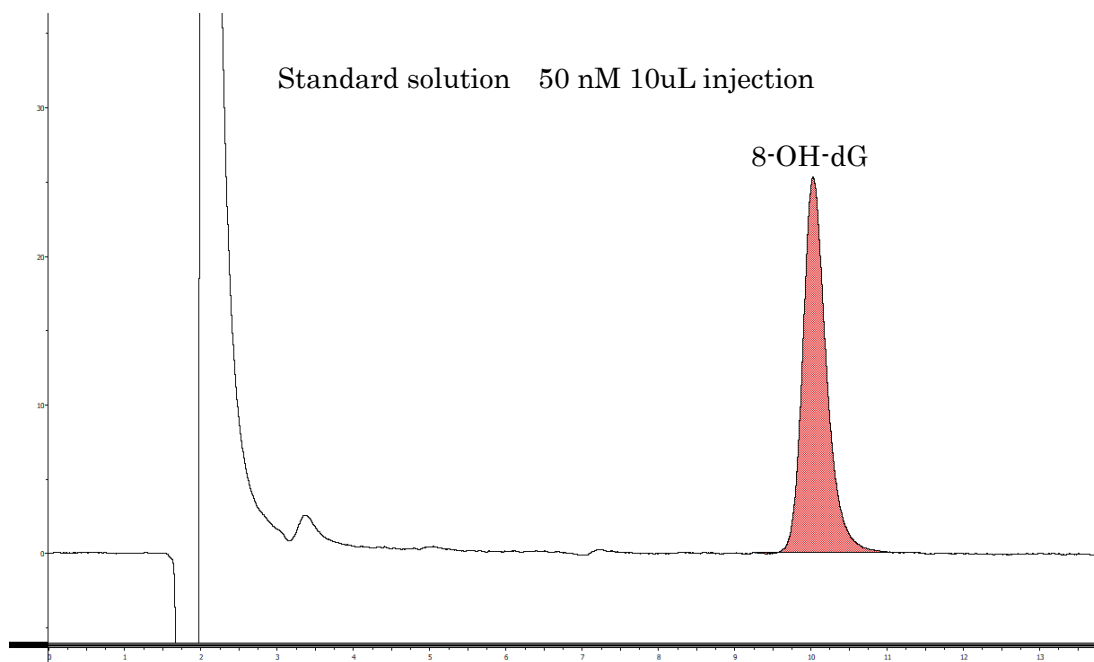
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|----------------------------|---|
| HPLC-ECD system | HTEC-510 |
| Separation Column | Eicompak CA-5ODS (φ2.1 × 150 mm) |
| Precolumn for sample | PC-03-CA (φ3.0 × 4.0 mm) |
| Precolumn for mobile phase | PC-04-CA (φ4.0 × 5.0 mm) |
| Mobile Phase | 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 |



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