

**CoreFocus**  
**Report**  
**No.134**

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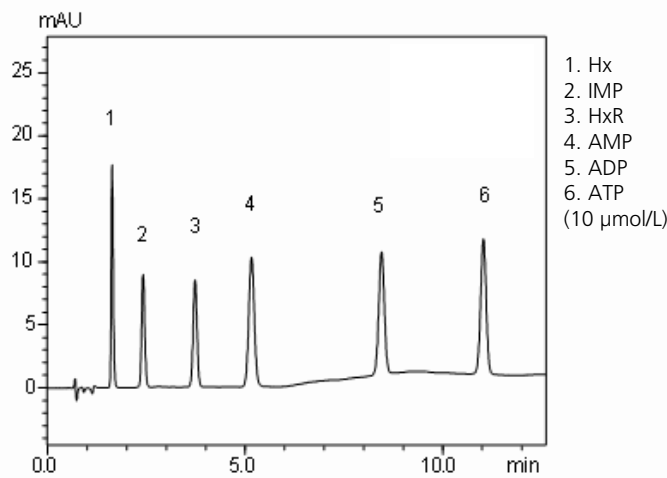
Reversed-phase

Shim-pack Series

**Shim-pack™ GIST C18-AQ**

**Analysis of Nucleic Acid Related Substances**

**Keywords: nucleotides, nucleosides, adenylic acid, inosinic acid, hypoxanthine, inosine**



System	: Nexera™
Column	: Shim-pack GIST C18-AQ (100 mm L × 3.0 mm I.D., 3 μm), P/N : 227-30722-05
Flow rate	: 0.8 mL/min
Mobile phase*	: A) Water/ Acetonitrile=100/1 (v/v) containing 0.15 mol/L Phosphoric acid, 0.225 mol/L Triethylamine B) Water/ Acetonitrile=80/20 (v/v) containing 0.15 mol/L Phosphoric acid, 0.225 mol/L Triethylamine
Time program	: 0 %B (0-3.5 min) → 12 %B (11 min) → 100 %B (11.01- 18 min) → 0 %B (18.01-28 min)
Column temp.	: 30 °C
Injection vol.	: 10 μL
Detection	: PDA 260 nm

\* Phosphoric acid: 10.2 mL, Triethylamine: 31 mL → Mixture of water/acetonitrile 1 L

Source : Application News L.536 ([JP](#), [ENG](#))

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