

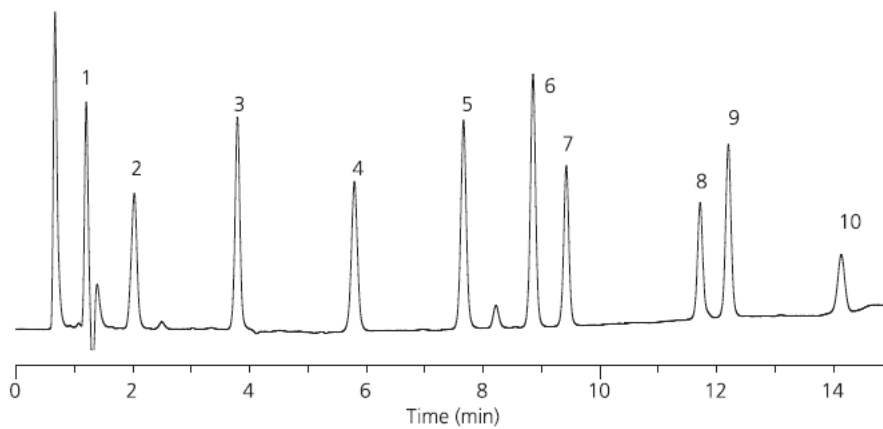
**CoreFocus**  
**Report**  
**No.223**

LC Reversed-phase Shim-pack Series

**Shim-pack™ GIST C18**

**Analysis of Water-soluble Vitamins**

Keywords: vitamin C, VC, niacin, vitamin B family



- |                     |            |
|---------------------|------------|
| 1. Ascorbic acid    | (100 mg/L) |
| 2. Nicotinic acid   | (10 mg/L)  |
| 3. Nicotinamide     | (10 mg/L)  |
| 4. Pantothenic acid | (100 mg/L) |
| 5. Pyridoxal        | (10 mg/L)  |
| 6. Pyridoxine       | (10 mg/L)  |
| 7. Pyridoxamine     | (10 mg/L)  |
| 8. Thiamine         | (10 mg/L)  |
| 9. Folic acid       | (10 mg/L)  |
| 10. Riboflavin      | (10 mg/L)  |

Column	: Shim-pack GIST C18 (100 mmL. x 3.0 mm I.D., 3 μm), P/N : 227-30009-05
Mobile phase	: A) 10 mM KH <sub>2</sub> PO <sub>4</sub> (pH 2.5, H <sub>3</sub> PO <sub>4</sub> ) + 5 mM IPCC-06 B) CH <sub>3</sub> CN A/B = 98/2 - 8 min - 88/12 - 5 min - 88/12, v/v
Flow rate	: 0.6 mL/min
Column temp.	: 30 °C
Detection	: UV 210 nm
Injection vol.	: 2 μL

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