

**CoreFocus**  
**Report**  
**No.153A**

LC

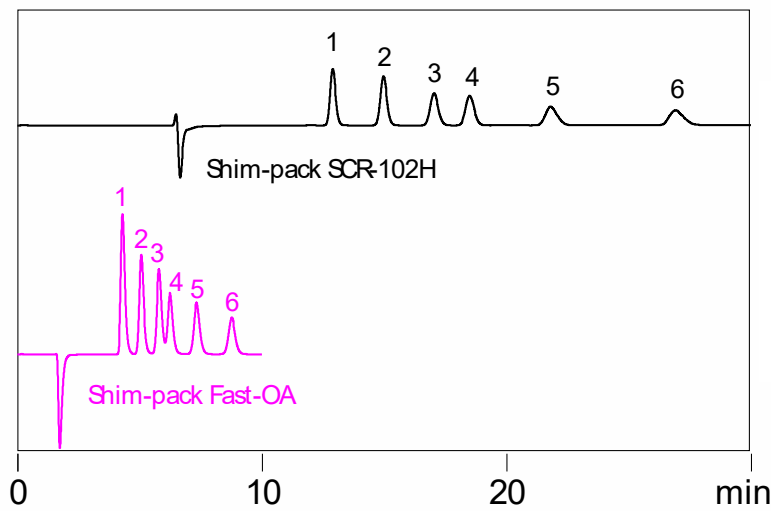
Ion-exclusion

Shim-pack Series

**Shim-pack™ Fast-OA and Shim-pack SCR-102H**

**Analysis of Short-Chain Fatty Acids**

**Keywords: intestinal microbiota**



1. Acetic acid
2. Propionic acid
3. Isobutyric acid
4. Butyric acid
5. Isovaleric acid
6. Valeric acid

|                       |                                                                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Column                | : Shim-pack Fast-OA<br>(100 mm x 7.8 mm I.D., 5 μm), P/N : 228-59942-41<br>Shim-pack SCR-102H<br>(300 mm x 8.0 mm I.D., 7 μm), P/N : 228-17893-91          |
| Guard column          | : Shim-pack Fast-OA (G)<br>Shim-pack SCR-102H (G)                                                                                                          |
| Mobile phase          | : 5 mmol/L <i>p</i> -toluenesulfonic acid<br>(Mobile phase reagent set for organic acid analysis, mobile phase)                                            |
| Flow rate             | : 0.8 mL/min                                                                                                                                               |
| pH buffering solution | : 5 mmol/L <i>p</i> -toluenesulfonic acid 20 mmol/L Bis-Tris 0.1 mmol/L EDTA<br>(Mobile phase reagent set for organic acid analysis, pH buffering reagent) |
| Flow rate             | : 0.8 mL/min                                                                                                                                               |
| Column temperature    | : 50 °C                                                                                                                                                    |
| Detection             | : Conductivity detector (CDD-10Avp)                                                                                                                        |
| Injection volume      | : 10 μL                                                                                                                                                    |

Source : Application News L555 ([JP](#), [ENG](#))

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