# SHIMADZU
## Excellence in Science
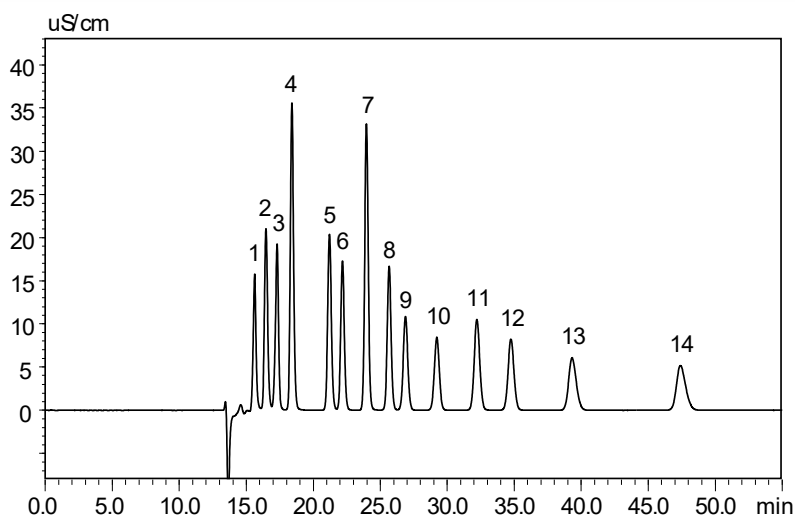
## CoreFocus
# Report
# No.166A

| LC | Ion-exclusion | Shim-pack Series |

## Shim-pack™ SCR-102H
# Analysis of Organic acids by Conductive detector

**Keywords: post-column method**



uS/cm

1. Phosphoric acid
2. Citric acid
3. Pyruvic acid
4. Malic acid
5. Succinic acid
6. Lactic acid
7. Formic acid
8. Acetic acid
9. Levulinic acid
10. Pyroglutamic acid
11. Isobutyric acid
12. Butyric acid
13. Isovaleric acid
14. Valeric acid
( each 1000 mg/L )

| | | |
|---|---|---|
| System | : | Nexera™ organic acid analysis system |
| Column | : | Shim-pack SCR-102H (300 mm x 8.0 mm I.D., 7 µm) x 2, P/N :  228-17893-91 |
| Guard column | : | Guard column SCR-102H (50 mm x 6.0 mm I.D.), P/N : 228-17924-91 |
| Mobile phase | : | 5 mmol/L p-Toluenesulfonic acid, P/N : S228-61465-91 |
| Flow rate | : | 1.0 mL/min |
| pH Buffering solution | : | 5 mmol/L p-Toluenesulfonic acid, 20 mmol/L Bis-tris, 0.1 mmol/L EDTA, P/N : 228-61465-91 |
| Mixer | : | Piping unit J, P/N : S228-21747-91 |
| Column temp. | : | 40 ℃ |
| Injection vol. | : | 10 µL |
| Vial | : | 1.5 mL, IC, Polypropylene (manufactured by Shimadzu GLC Ltd.) |
| Detection | : | Conductivity detector |

Source : Application News L578 (JP, ENG)

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# Shimadzu Corporation
## www.shimadzu.com/an/

# Related Products
Some products may be updated to newer models.

**Shim-pack**
HPLC Column Solutions ~Reversed phase and Normal phase~

> Shim-pack SCR Series
HPLC Column

# Related Solutions

> Food and Nutrition

> 栄養・機能性成分

> Price Inquiry

> Product Inquiry

> Technical Service / Support Inquiry

> Other Inquiry