

# CoreFocus Report

No.564

LC-MS

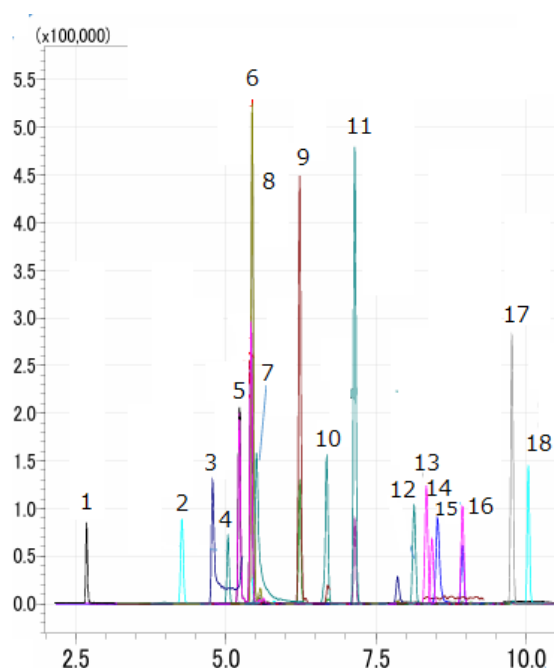
Reversed-phase

Shim-pack™ Series

## Shim-pack GIST C18-AQ HP

## Analysis of eicosanoids and related metabolites

Keywords: fatty acid, plasma



1. Tetranor-PGEM-d6
2. 6-keto-PGF<sub>1α</sub>-d4
3. TXB<sub>2</sub>-d4
4. PGF<sub>2α</sub>-d4
5. PGE<sub>2</sub>-d4
6. PGD<sub>2</sub>-d4
7. LTC<sub>4</sub>-d5
8. LTD<sub>4</sub>-d5
9. PGA<sub>2</sub>-d4
10. LTB<sub>4</sub>-d4
11. 14,15-DHET-d11
12. 15-HETE-d8
13. 12-HETE-d8
14. 5-HETE-d8
15. PAF-d4
16. 11,12-EET-d11
17. OEA-d4
18. AA-d8

### [HPLC conditions] (Nexera™ X3)

Column : Shim-pack GIST C18-AQ HP,  
100 mm x 2.1 mm I.D., 1.9 μm\*1  
Column oven : 40 °C  
Mobile phase A : 0.1 % Formic acid – water  
Mobile phase B : Acetonitrile  
Flow rate : 0.4 mL/min  
Injection vol. : 5 μL (co-injected with 15 μL of water)

1\*: P/N : 227-30807-02

### [MS conditions] (LCMS-8060)

Ionization : ESI, Positive/Negative  
Mode : MRM  
Nebulizing gas flow : 2.5 L/min  
Drying gas flow : 10.0 L/min  
Heating gas flow : 10.0 L/min  
DL temp. : 250 °C  
Block heater temp. : 400 °C  
Interface temp. : 270 °C  
CID gas pressure : 230 kPa  
Dwell time/Pause time : 10 ms/ 1ms

Source : Application News 01-00124 ([JP,ENG](#))

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