

# 1 Determination of Ginsenosides by HPLC plus

**New!**

**Method**  
HPLC

**RP Mode**  
VPH0057J

**Column:** Eurospher 100-3 C18, 150 x 3.0 mm ID  
With integrated precolumn

**Order No. 15XE181ESG**

**Phase:** Eurospher 100-3 C18

**Conditions:** Eluent: A: Water  
B: Acetonitrile  
Gradient: 0.0 – 6.7 min 17 – 25 % B  
6.7 – 13.4 min 25 – 40 % B  
13.4 – 28.0 min 40 – 60 % B  
28.0 – 29.3 min 60 – 100 % B  
29.3 – 32.0 min 100 % B  
Flow rate: 1.8 ml/min  
Temperature: 40 °C  
Volume: 5 µl

**Detection:** UV PDA-1, 204 nm, (50 Hz, 0.02 s)

**Substances:** Ginsenoside: Rg<sub>1</sub>, Re, Rf, Rb<sub>1</sub>, Rg<sub>2</sub>, Rc, Rh<sub>1</sub>, Rb<sub>2</sub>, F<sub>1</sub>, Rd, Rg<sub>6</sub>, F<sub>4</sub>, Rk<sub>3</sub>, Rh<sub>4</sub>, (20S) Rg<sub>3</sub>, (20R) Rg<sub>3</sub>, Rk<sub>1</sub>, Rg<sub>5</sub>, Compound K, Rh<sub>2</sub>

**Keywords:** Ginsenoside, Ginseng

## Chromatogram:

Ginsenoside

- 1 Rg<sub>1</sub>
- 2 Re
- 3 Rf
- 4 Rb<sub>1</sub>
- 5 Rg<sub>2</sub>
- 6 Rc
- 7 Rh<sub>1</sub>
- 8 Rb<sub>2</sub>
- 9 F<sub>1</sub>
- 10 Rd
- 11 Rg<sub>6</sub>
- 12 F<sub>4</sub>
- 13 Rk<sub>3</sub>
- 14 Rh<sub>4</sub>
- 15 (20S) Rg<sub>3</sub>
- 16 (20R) Rg<sub>3</sub>
- 17 Rk<sub>1</sub>
- 18 Rg<sub>5</sub>
- 19 Compound K
- 20 Rh<sub>2</sub>

