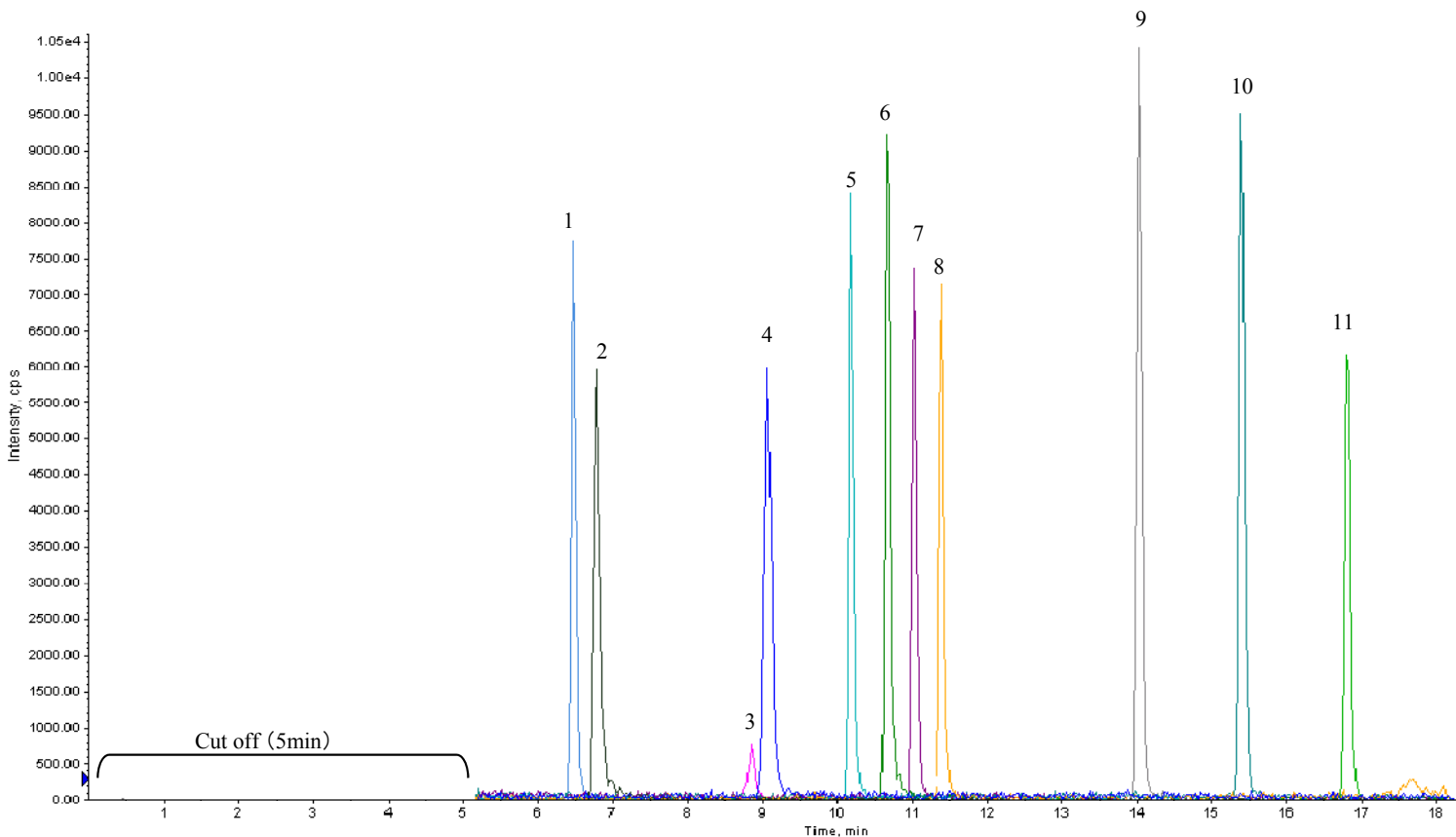


# InertSearch™ for LC

Inertsil® Applications

## Analysis of Drugs by LC/MS/MS

Data No. LA610-0696



### Conditions

**System** : Symbiosis Pharma system (LC mode)  
API 2000™

**Column** : Inertsil ODS-3 (3µm, 100 x 2.1 mm I.D.)

**Column Cat. No.** : 5020-04414

**Eluent** : A) CH<sub>3</sub>CN  
B) 0.1% HCOOH  
A/B = 0/100 - 6 min - 90/10 - 12 min - 100/0, v/v

**Flow Rate** : 0.2 mL/min

**Col. Temp.** : 40 °C

**Detection** : LC/MS/MS (API 2000™: ESI, Positive, MRM)

**Injection Vol.** : 10 µL

**Analyte** : Drugs

### Analyte:

Analyte	Concentration (µg/L)	Q1	Q3
1. Salbutamol	( 7.5 µg/L)	240	148
2. Ranitidine	(15.0 µg/L)	315	176
3. Acetaminophen	(15.0 µg/L)	152	110
4. Theophylline	(20.0 µg/L)	181	124
5. Metoprolol	(22.5 µg/L)	268	116
6. Caffeine	(15.0 µg/L)	195	138
7. Propranolol	(12.5 µg/L)	260	116
8. Doxepin	( 5.0 µg/L)	280	107
9. Carbamazepine	( 5.0 µg/L)	237	194
10. Ketoprofen	(15.0 µg/L)	255	209
11. Indometacin	(20.0 µg/L)	358	139