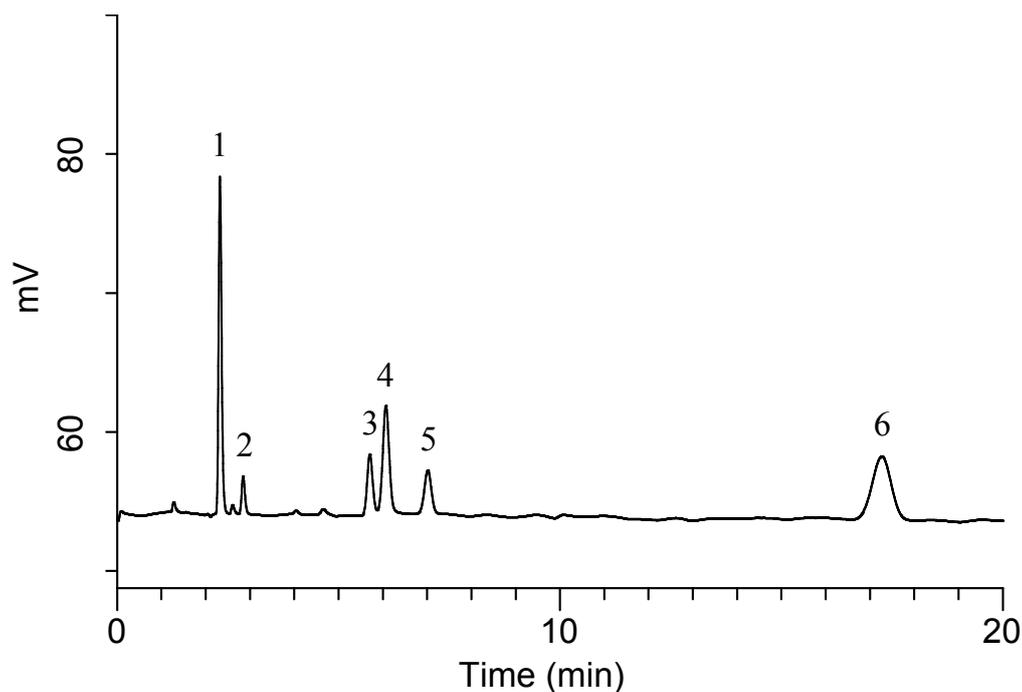


# InertSearch™ for LC

Inertsil® Applications

## Analysis of Glutathione and its related compounds

Data No. LB522-0919



### Conditions

<b>System</b>	: GL7700 HPLC system
<b>Column</b>	: InertSustain AQ-C18 (5 $\mu$ m, 150 x 4.6 mm I.D.)
<b>Column Cat. No.</b>	: 5020-89730
<b>Eluent</b>	: A) CH <sub>3</sub> CN B) 50 mM NaH <sub>2</sub> PO <sub>4</sub> + 5 mM IPCC-06 in H <sub>2</sub> O (IPCC-06: Sodium 1 - Hexanesulfonate) (pH 2.2, H <sub>3</sub> PO <sub>4</sub> ) A/B = 25/975, w/w
<b>Flow Rate</b>	: 1.0 mL/min
<b>Col. Temp.</b>	: 40 °C
<b>Detection</b>	: ECD 1600 mV vs Ag/AgCl (ED723 EC Detector, Diamond, 30 °C)
<b>Injection Vol.</b>	: 10 $\mu$ L
<b>Sample</b>	: Standard

### Analyte:

1. Cystine
2. Cysteine
3. Cysteinylglycine (Cys-Gly)
4. Glutathione, Reduced Form (GSH)
5.  $\gamma$ -Glutamylcysteine ( $\gamma$ -Glu-Cys)
6. Glutathione, Oxidized Form (GSSG)  
(1  $\mu$ M each)