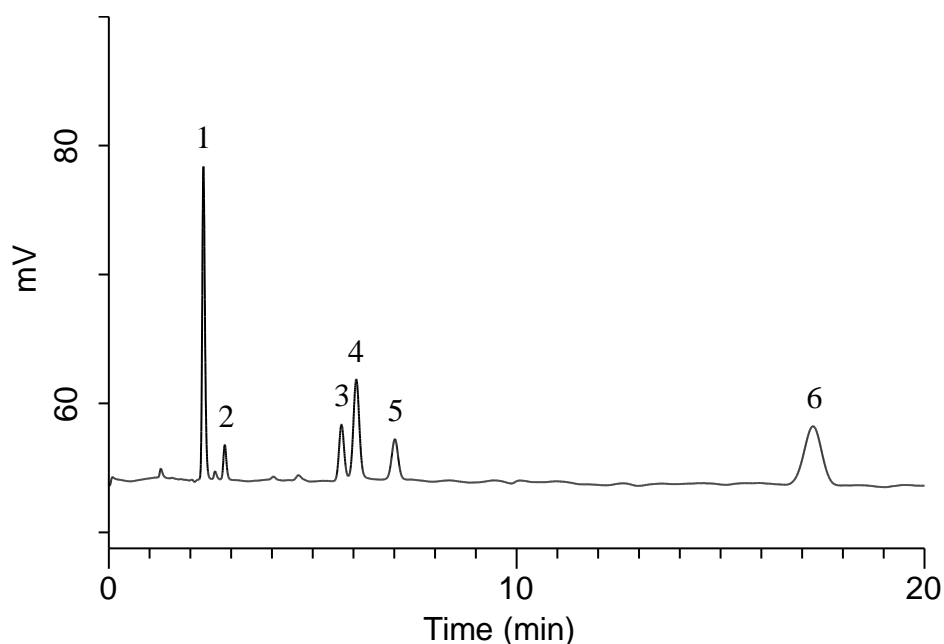


Analysis of Glutathione and its related compounds



Conditions

System : GL7700 HPLC system

Column : InertSustain AQ-C18
(5 μ m, 150 x 4.6 mm I.D.)

Column Cat. No. : 5020-89730

Eluent : A) CH₃CN
B) 50 mM NaH₂PO₄ + 5 mM IPCC-06 in H₂O
(IPCC-06: Sodium 1 - Hexanesulfonate)
(pH 2.2, H₃PO₄)
A/B = 25/975, w/w

Flow Rate : 1.0 mL/min

Col. Temp. : 40 °C

Detection : ECD 1600 mV vs Ag/AgCl (ED723 EC Detector, Diamond, 30 °C)

Injection Vol. : 10 μ L

Sample : Standard

Analyte:

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