

Free Glycerol Assay Kit

Free Glycerol Assay Kit (Colorimetric)

CATALOG #
AAA44535

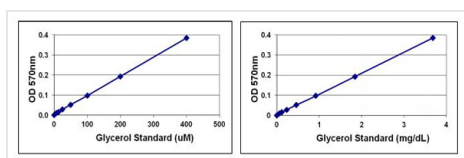
PRODUCT SYNONYMS

Free Glycerol; Free Glycerol Assay Kit (Colorimetric); Free Glycerol assay kit

PRODUCT SPECIFICATIONS

Samples	Tissue Extracts, Cell Lysate Samples
Detection Range	0.05 mmol/L-5 mmol/L
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store the entire kit at -80 degree C. Avoid multiple freeze/thaws by aliquoting. The Colorimetric Probe is light sensitive and should be maintained in amber tubes.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Free Glycerol assay kit	Background/Introduction: Glutamine Synthetase (GS) is mainly present in plants, is one of the key enzymes in vivo assimilation of ammonia. GS can catalyze ammonium ions and glutamic acid to synthesise glutamine Gln, not only can prevent excessive biological toxic ammonium ions, but also glutamine Gln is the main storage and transport in the form of ammonia. In the presence of ATP and Mg ²⁺ , GS can catalyze ammonium ions and glutamic acid to synthesise glutamine Gln; glutamine Gln further converted to gamma-glutamyl hydroxamic acid, under acidic conditions to form a red iron complexes; the complex has a maximum absorption peak at 540nm.
Product Categories/Family for Free Glycerol assay kit	Metabolism Research ; Lipoprotein Metabolism ; Glycerol Assays
References	1. Bortz, W.M., Paul, P., Hff, A.C., and Holmes, W.H. (1972) J. Clin. Invest. 51, 1537-1546. 2. Arner, P. (1995) Internation J. of Obesity and Related Metabolic Disorders 19(7), 435-442. 3. Ou, C-N and Frawley, V.L. (1985) Clin. Biochem. 18(1), 37-39. 4. Bernert, J.T., Bell, C.J., McGuffey, J.E., and Waymack, P.P. (1992) J. Chromatogr. 578, 1-7.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.