

Liver / Muscle glycogen Assay Kit

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CATALOG #
AAA172700

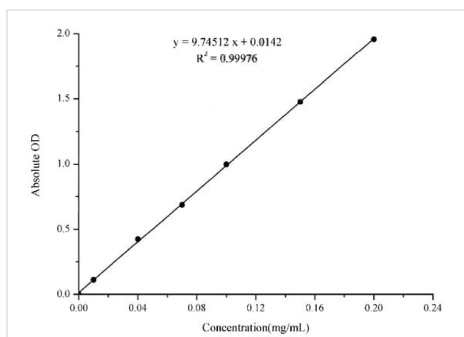
PRODUCT SYNONYMS

Liver / Muscle glycogen; Liver / Muscle glycogen assay kit

PRODUCT SPECIFICATIONS

Specificity	50 assays (Can detect 48 samples without duplication)
Samples	Animal liver and muscle samples
Detection Range	1.80-180 mg/g liver tissue, 0.36-36 mg/g muscle tissue
Sensitivity	1.80 mg/g liver tissue, 0.36 mg/g muscle tissue
Intra-assay Precision	The intra-assay CV is 3.7 %.
Inter-assay Precision	The inter-assay CV is 7.3 %.
Preparation and Storage	Store at 2-8 degree C. Valid for 12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Liver / Muscle glycogen assay kit

Principle of the Assay: Under the presence of concentrated sulfuric acid, glycogen can be dehydrated to furfural derivatives. Furfural derivatives can form blue compound with anthracenone. The concentration of the compound can be measured by colorimetric quantification at 620 nm with glucose standard buffer of same treatment. Glycogen is quite stable in concentrated alkali solution. Heating the tissue sample in concentrated alkali solution before color development will remove other components and keep the glycogen.

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.