

Glucose Uptake Assay Kit

Glucose Uptake Fluorometric Assay Kit

CATALOG #
AAA177831

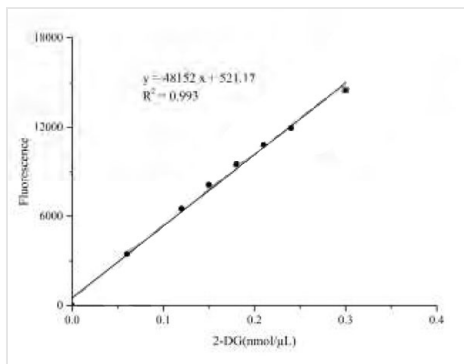
PRODUCT SYNONYMS

Glucose Uptake; Glucose Uptake Fluorometric Assay Kit; Glucose Uptake assay kit

PRODUCT SPECIFICATIONS

Specificity	96T (Can detect 40 samples without duplication)
Samples	Cell samples
Detection Range	0.02-0.3 nmol/uL
Sensitivity	0.02 nmol/uL
Test Principle	2-DG is up-taken by the cells, converted to 2-DG-6P, which is catalyzed by glucose dehydrogenase to produce 6PDG. Meanwhile, NADP+ is converted to NADPH. The generated NADPH converts the probe into fluorescent substances under the action of myocardial yellow transferase. The glucose uptake can be calculated by measuring the fluorescence intensity at the excitation wavelength of 530nm and the emission wavelength of 590nm.
Preparation and Storage	Store at -20 degree C. Valid for 12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Glucose Uptake assay kit	Principle of the Assay: 2-DG is up-taken by the cells, converted to 2-DG-6P, which is catalyzed by glucose dehydrogenase to produce 6PDG. Meanwhile, NADP+ is converted to NADPH. The generated NADPH converts the probe into fluorescent substances under the action of diaphorase. The glucose uptake can be calculated by measuring the fluorescence intensity at the excitation wavelength of 530 nm and the emission wavelength of 590 nm.
Product Categories/Family for Glucose Uptake assay kit	Metabolism Assay Kit; Others

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.

