

Glucose (GLU) Assay Kit | GLU assay kit

Glucose (GLU) Fluorometric Assay Kit

CATALOG #
AAA177773

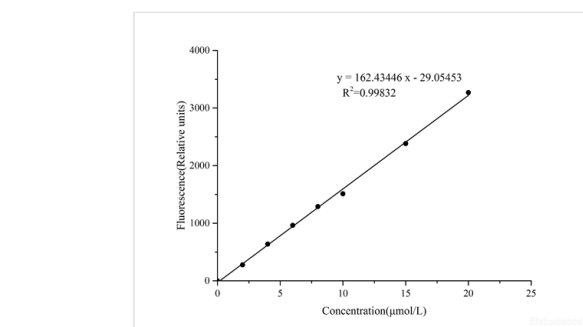
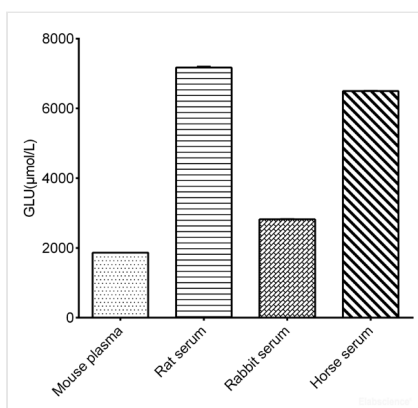
PRODUCT SYNONYMS

Glucose (GLU); Glucose (GLU) Fluorometric Assay Kit; GLU assay kit

PRODUCT SPECIFICATIONS

Samples	Serum, plasma, urine, saliva and milk samples
Detection Range	0.1-20 $\mu\text{mol/L}$
Sensitivity	0.1 $\mu\text{mol/L}$
Preparation and Storage	Store at -20 degree C. Valid for 12 months

IMAGES



Standard Curve (Sample)

Application Data

ADDITIONAL INFORMATION

Related Product Information for GLU assay kit

Intended Uses: This kit can be used to measure glucose (Glu) content in serum, plasma, urine, saliva and milk samples.

Principle of the Assay: Glucose oxidase can catalyze the oxidation of glucose into gluconic acid and produce hydrogen peroxide. In the presence of peroxidase, hydrogen peroxide reacts with the non-fluorescent substance to form fluorescent substance. The glucose content can be calculated indirectly by measuring the fluorescence intensity at the excitation wavelength of 535 nm and the emission wavelength of 590 nm.

Background/Introduction: Glucose is a monosaccharide with the molecular formula $\text{C}_6\text{H}_{12}\text{O}_6$. Glucose can be produced by breaking down glycogen or be synthesized in the liver and kidneys through gluconeogenesis. As a blood sugar, glucose circulates in the blood of animals. glucose is the main bioenergy substance in the body, which is used to produce energy. Blood sugar balance is achieved through a complex interaction between several organs and hormones.

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.

