CREATIVE BIOMART®
Assay Kit

Glutamic Acid (Glu) Content Assay Kit

Product Information

Product Overview

Significance: Glu is present in animals, plants, microbes, and cultured cells. It is a key amino acid in protein composition, participates in transamination for amino acid synthesis, and serves as a primary nitrogen source. Glu is also the main active component of MSG and widely used in food and flavor production.
Principle: Glutamate dehydrogenase (GDH) catalyzes Glu and NAD⁺ to a-ketoglutarate, NADH, and NH₄⁺. The increase in absorbance at 340 nm is used to calculate Glu content.

Size

100t/96s

Storage

Store at -20 °C. Shelf life: 6 months.

Synonyms

Glu Kit

Detection method Spectrophotometer/Microplate Reader

Technical Notes

For measurements using a 96-well plate, a 96-well UV plate must be used.

Materials Required but Not Supplied

Adjustable pipettes, visible spectrophotometer/microplate reader, micro quartz cuvettes/96-well plates, distilled water.

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