CREATIVE BIOMART®
Assay Kit

Glutamine Assay Kit

Product Information

Cat

Kit-2520

Cat.No. Kit-2520

Product Overview

Glutamine is an amino acid synthesized in the muscle that plays major roles in protein synthesis, acid-base balance, anabolic processes and is utilized for cellular energy and as a carbon source. It is used in treatment of injury, trauma, burns, and also as a supplement for muscle growth and post-surgery healing. Simple, direct and automation-ready procedures for measuring glutamine concentration are very desirable. glutamine assay kit is based on hydrolysis of glutamine to glutamate and colorimetric determination of the product. The intensity of the product color, measured at 565 nm, is proportional to the glutamine concentration in the sample.

Storage

-20°C

Shipping

On Ice

Size

100 tests

Detection method OD565nm

Compatible Sample Types

Serum, plasma, urine, cell, tissue etc

Features & Benefits

Sensitive and accurate. Use 20 µL sample. Linear detection range 0.023 - 2 mM glutamine in 96-well plate assay.
Convenient. The procedure involves adding a single working reagent, incubation for 40 min at room temperature, adding a stop reagent and reading the optical density. No 37°C heater is needed.

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High-throughput. Can be readily automated as a high-throughput 96-well plate assay for thousands of samples per day.

Assay time
40 min
Sensitivity
23 μM

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