CREATIVE BIOMART®
Assay Kit

Glutamate Assay Kit

Product Information

Cat

Kit-2498

Cat.No. Kit-2498

Product Overview

Glutamate is an important chemical in general metabolism. It is also a crucial mammalian neurotransmitter that is believed to be involved in a number of neurological and psychiatric disorders such as lateral sclerosis, lathyrism, autism and Alzheimer's disease. Glutamate is also widely used as a flavor enhancer in the food industry. Simple, direct and automation-ready procedures for measuring glutamate concentration are very desirable. glutamate assay kit is based on glutamate dehydrogenase catalyzed oxidation of glutamate, in which the formed NADH reduces a formazan (MTT) Reagent. The intensity of the product color, measured at 565 nm, is proportionate to the glutamate 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. Detection limit of 50 μM, linearity up to 2. 5 mM glutamate in 96-well plate assay.
Convenient. The procedure involves adding a single working reagent, and reading the optical

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density at time zero and at 30 min at room temperature. No 37°C heater is needed.
High-throughput. Can be readily automated as a high-throughput 96-well plate assay for thousands of samples per day.

Assay time
30 min
Sensitivity
50 μM

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