CREATIVE BIOMART®
Assay Kit

Glutamate Assay Kit

Product Information

Cat.No. Kit-0376

Product Overview

Detection and Quantification of Glutamate Content.

Description

Glutamate, one of the two acidic proteinogenic amino acids, is also a key molecule in cellular metabolism. In humans, glutamate plays an important role both in amino acid degradation and disposal of excess or waste nitrogen. Glutamate is the most abundant swift excitatory neurotransmitter in the mammalian nervous system. It is believed to be involved in learning and memory and has appeared to be involved in diseases like amyotrophic lateral sclerosis, lathyrism, autism, some forms of mental retardation and Alzheimer''s disease. Glutamic acid is also present in a wide variety of foods, and has been used as a flavor enhancer in food industry.

Applications

Functional Assay

Storage

Shipped and store at 4°C for 6 months.

Kit Components

Component-Volume-Storage 1. 96-Well Microplate; 2. Reagent I: 30 ml x 4, 4°C; 3. Reagent II: Powder x 1, 4°C; 4. Technical Manual: 1 Manual;Note: Reagent II: add 5 ml distilled water to dissolve before use, stored at 4°C.

Detection method Colorimetric

Compatible Sample Types

Cell, Bacteria, Tissue, Serum, Plasma, Other biological fluids

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