CREATIVE BIOMART®
Assay Kit

Glutamate Colorimetric Assay Kit

Product Information

Cat

Kit-2233

Cat.No. Kit-2233

Product Overview

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 Alzheimers disease. Glutamic acid is also present in a wide variety of foods, and has been used as a flavor enhancer in food industry. Glutamate Assay Kit provides a sensitive detection method of the glutamate in a variety of samples. The glutamate Enzyme Mix recognizes glutamate as a specific substrate leading to proportional color development. The amount of glutamate can therefore be easily quantified by colorimetric (spectrophotometry at λ = 450 nm) method.

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

Glutamate Assay Buffer; Glutamate Enzyme Mix; Glutamate Developer; Glutamate Standard (0.1M)

Target Species

All

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

CREATIVE BIOMART®
Assay Kit

Glutamate Colorimetric Assay Kit

Detection method Absorbance (450 nm)

Features & Benefits

Simple procedure; takes ~ 40 minutes;
Fast and convenient;
Kit contains the necessary reagents for accurate measurement of Glutamate

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA