CREATIVE BIOMART®
Assay Kit

Phenylalanine Fluorometric Assay Kit

Product Information

Cat

Kit-2247

Cat.No. Kit-2247

Product Overview

L-Phenylalanine(PHE) is an electrically-neutral amino acid, one of the twenty common and one of the three aromatic amino acids used to biochemically form proteins. Phenylalanine uses the same active transport channel as tryptophan to cross the blood-brain barrier, and, in large quantities, interferes with the production of serotonin. Errors in PHE metabolism lead to phenylketonuria or PKU which can have dire consequences. Phenylalanine Assay Kit provides a quick, simple, accurate method for quantifying PHE in biological samples. In the assay, PHE is reductively deaminated with the simultaneous formation of NADH which reacts with our fluorescent probe to generate fluorescence at Ex/Em=535/587 nm. The assay is linear in the range from 0.1 to 1.0 nmol (2-20 μM) of Phenylalanine.

Applications

The assay is linear in the range from 0.1 to 1.0 nmol (2-20 μM) of Phenylalanine.

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

Phenylalanine Assay Buffer; Tyrosinase; Enzyme Mix; Developer; Phenyalanine Standard (10.0 μmol)

Target Species

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

Phenylalanine Fluorometric Assay Kit

Mammalian

Detection method Fluorescence (Ex/Em535/587 nm)

Features & Benefits

Simple procedure; takes less than ~30 minutes; Fast and convenient

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