CREATIVE BIOMART®
Assay Kit

Branched Chain Amino Acid (Leu/Ile/Val) Colorimetric Assay Kit

Product Information

Cat

Kit-2220

Cat.No. Kit-2220

Product Overview

The branched-chain amino acids or BCAA's, refer to the amino acids with non-linear aliphatic side-chains, namely leucine, isoleucine and valine. These three essential amino acids make up approximately 1/3 of skeletal muscle in the human body. BCAA's are currently used clinically to aid in the recovery of burn victims, as well as for strength supplementation for athletes. BCAA's, primarily Leu, can stimulate insulin secretion. The BCAA's have also been implicated in a wide range of other physiological effects. BCAA Assay Kit provides a simple convenient means of measuring the BCAA's in a variety of biological samples. The kit utilizes an enzyme assay in which BCAA is oxidatively deaminated, producing NADH which reduces the probe, generating a colored product (λmax = 450 nm). BCAA kit measures BCAA's in the range of 0 to 10 nmol per sample with a detection limit of ~0.2 nmol (~10 μM BCAA in sample). BCAA's are present in serum ~ 0.1-0.4 mM each (~0.125-1.5 mM combined).

Applications

BCAA kit measures BCAA's in the range of 0 to 10 nmol per sample with a detection limit of ~0.2 nmol (~10 μM BCAA in sample).

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

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

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Assay Kit

Branched Chain Amino Acid (Leu/Ile/Val) Colorimetric Assay Kit

BCAA Assay Buffer; BCAA Enzyme Mix; WST Substrate Mix; Leu Standard (1 μmol)

Target Species

Mammalian

Detection method Absorbance (450 nm)

Features & Benefits

Simple procedure; takes less than ~40 minutes;
Fast and convenient

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