CREATIVE BIOMART®
Assay Kit

Creatine colorimetric/fluorimetric Assay Kit

Product Information

Cat.No. Kit-0260

Product Overview

Creatine Assay Kit is a quantitative colorimetric/fluorimetric determination of creatine.

Description

CREATINE is present in vertebrates and helps to supply energy to muscle. In humans and animals, approximately half of creatine originates from food (mainly from fresh meat). Creatine supplementation has been investigated as a possible therapeutic approach for the treatment of muscular, neuromuscular, neurological and neurodegenerative diseases.Simple, direct and automation-ready procedures for measuring creatine are popular in research and drug discovery. Creatine Assay Kit is based on enzymatic reactions leading to formation of a pink colored product.The optical density at 570 nm or fluorescence intensity at λem/ex = 590/530 nm is directly proportional to the creatine concentration in the sample.

Applications

Direct Assays: creatine in biological samples (e.g. serum, plasma, urine, saliva etc).

Usage

For research use only (RUO)

Storage

Store all components at -20°C. Shelf life: 12 months after receipt.

Kit Components

Assay Buffer 20 mLEnzyme A 120 μLEnzyme B 220 μLStandard: 20 mM creatine 400 μLDye Reagent 220 μL

Detection method Colorimetric, Fluorometric

Compatible Sample Types

Plasma, Saliva, Serum, Urine

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Features & Benefits

High sensitivity and wide linear range. Use 10 μL sample. Linear detection range 4 to 1000 μM (colorimetric) or 0.5 to 50 μM (fluorimetric).Homogeneous and simple procedure. Simple "mix-and-measure" procedure allows reliable quantitation of creatine within 30 minutes.

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