CREATIVE BIOMART®
Assay Kit

Sarcosine Assay Kit

Product Information

Cat.No. Kit-0776

Product Overview

The kit can detect Sarcosine in the detection range of 1-10000 μM. (100 assays) Simple procedure; takes ~ 1 hourFast and convenientKit contains all necessary reagents for accurate measurement of Sarcosine

Size

100 assays

Description

Sarcosine, a natural amino acid, plays important roles as intermediate in the metabolism of choline, methionine, glycine, glutathione, creatine, purine and serine, etc. Detection of sarcosine level has wide applications in research and development. Sarcosine Assay Kit provides an accurate, convenient measure of sarcosine in variety biological samples. In the assay, sarcosine is specifically oxidized to generate a product that converts a colorless probe to a product with intense red color (λmax = 570 nm) and which is also highly fluorescent (Ex/Em = 538/587 nm). Sarcosine is therefore easily detected by either colorimetric or fluorometric methods with detection range 1-10000 μM.

Target Species

Mammalian

Usage

This product is furnished for LABORATORY RESEARCH USE ONLY. Not for diagnostic or therapeutic use.

Kit Components

Sarcosine Assay BufferSarcosine Probe (in DMSO, anhydrous)Sarcosine Enzyme mixSarcosine Standard (10 μmol)

Detection method ColorimetricFluorescence Plate Reader

Compatible Sample Types

Cell Culture SupernatantsPlasmaSerumUrine

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