CREATIVE BIOMART®
Assay Kit

Malate Assay Kit

Product Information

Cat.No. Kit-0531

Product Overview

Malate Assay Kit is used to detecting Malate.

Description

L(-) Malate is a TCA cycle intermediate. It plays an important role in the Calvin cycle during carbon fixation in plants. In lower organisms, malate is converted to lactate during malolactic fermentation with the formation of CO2. Malate is frequently used as an additive in the food and pharmaceutical industries, so quantitating malic acid is important in manufacturing beer, wine, cheese and fruits, among others. We has developed an easy and sensitive assay to measure the L(-) Malate level in a variety of samples. In the assay, malate is specifically oxidized to generate a product which reacts with a substrate probe to generate color (λmax = 450 nm). The assay can detect 1 ~ 35 nmol of Malate in a 50 µl sample with a detection sensitivity ~20 µM.

Target Species

Mammals

Usage

For research use only (RUO)

Storage

Store kit at □20°C, protect from light. Warm Malate Assay Buffer to room temperature before use. Briefly centrifuge all small vials prior to opening. Read the entire protocol before use.

Kit Components

Malate Assay Buffer 20 mlMalate Enzyme Mix: lyophilized. 1 vialWST Substrate: lyophilized. 1 vialMalate Standard (10 µmol): lyophilized. 1 vial

Detection method Colorimetric

Compatible Sample Types

Beer, Biological Fluid, Cell Culture Supernatant, Cheese, Food, Fruit, Plasma, Serum, Tissue Culture

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

Malate Assay Kit

Supernatant, Urine, Wine

Tel: 1-631-559-9269 1-516-512-3133

Fax:1-631-938-8127

Email:info@creative-biomart.org

45-1 Ramsey Road, Shirley, NY 11967, USA