CREATIVE BIOMART®
Assay Kit

Acetate Colorimetric Assay Kit

Product Information

Cat.No. Kit-0008

Product Overview

Acetate Assay Kit (Colorimetric) is a quantitative colormetric determination of acetate at 450 nm.

Description

Acetate is an important component for biosynthesis. In living organisms, acetylation/deacetylation of proteins is critical for post-translational regulation of their functions. When bound to CoA, Acetyl-CoA is central to metabolism of carbohydrates and fats. It is also involved in the synthesis of biogenic compounds such as neurotransmitter acetylcholine. In Acetate Assay Kit (Colorimetric), Acetate is converted to an intermediate in the presence of Acetate Enzyme Mix & Acetate Substrate Mix. The intermediate reduces the probe to a colored product with strong absorbance at 450 nm. The Acetate Colorimetric Assay Kit is rapid, simple & sensitive. It can detect less than 20 µM Acetate in various samples.

Applications

Measurement of Acetate in various tissues/cellsAnalysis of metabolism and cell signaling in various cells

Usage

For research use only (RUO)

Storage

Store kit at -20°C, protected from light. Warm Assay Buffer to room temperature before use. Briefly centrifuge all small vials prior to opening.

Kit Components

Acetate Assay Buffer 27 mLAcetate Enzyme Mix (Lyophilized) 1 vialATP (Lyophilized) 1 vialAcetate Substrate Mix (Lyophilized) 1 vialProbe (Lyophilized) 1 vialAcetate Standard (Lyophilized) 1 via

Detection method Colorimetric

Compatible Sample Types

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Fax:1-631-938-8127
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Adherent or Suspension Cell, Food, Plasma, Serum, Tissue

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