

## Acetate Colorimetric Assay Kit

**Cat. No.** Kit-0008    **Lot. No.** (See product label)

### SPECIFICATION

#### Product Overview

Acetate Assay Kit (Colorimetric) is a quantitative colorimetric 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  $\mu$ M Acetate in various samples.

#### Applications

Measurement of Acetate in various tissues/cells  
Analysis 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 mL  
Acetate Enzyme Mix (Lyophilized) 1 vial  
ATP (Lyophilized) 1 vial  
Acetate Substrate Mix (Lyophilized) 1 vial  
Probe (Lyophilized) 1 vial  
Acetate Standard (Lyophilized) 1 vial

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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



<b>Detection method</b>	Colorimetric
<b>Compatible Sample Types</b>	Adherent or Suspension Cell, Food, Plasma, Serum, Tissue

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