

Acetate Colorimetric Assay Kit

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

SPECIFICATION

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 μ 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  Fax: 1-631-938-8127

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

Detection method	Colorimetric
Compatible Sample Types	Adherent or Suspension Cell, Food, Plasma, Serum, Tissue