

Acetate Assay Kit

Cat. No. Kit-2487 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Acetate is a common anion and fundamental to all forms of life. When bound to coenzyme A, it is central to the metabolism of carbohydrates and fats. Its acid form, acetic acid, is produced and excreted by acetic acid bacteria, such as *Acetobacter* genus and *Clostridium acetobutylicum*, which are found universally in foodstuffs, water, and soil. Acetic acid is also a component of the vaginal lubrication of humans and other primates, where it appears to serve as a mild antibacterial agent. Acetic acid is the main component of vinegar, and extensively used in food, dyes, paints, glue and synthetic fibres. assay uses enzyme-coupled reactions to form a colored, fluorescent product. The color absorbance at 570nm or fluorescence intensity at 530nm/585nm is directly proportional to the acetate concentration in the sample.

Storage

-20°C

Shipping

On Ice

Size

100 tests

Detection method

OD570nm, or FL530/585nm

Compatible Sample Types

Serum, plasma, food, agriculture and environment

Features & Benefits

Use as little as 10 µL samples. Detection range: 0.20 to 20 mM acetate for colorimetric assays and 0.13 to 2 mM for fluorimetric assays.

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Assay time	30 min
Sensitivity	0.13 mM