CREATIVE BIOMART®
Assay Kit

Acetate Assay Kit

Product Information

Cat

Kit-2487

Cat.No. Kit-2487

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. It is 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

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