CREATIVE BIOMART®
Assay Kit

Lactose Assay Kit

Product Information

Cat

Kit-2517

Cat.No. Kit-2517

Product Overview

Lactose (C12H22O11), also called milk sugar, is a disaccharide that consists of β-D-galactose and a/β-D-glucose through a β1-4 glycosidic linkage. Lactose is the major sugar and makes up 2–8% of milk. Simple, direct and high-throughput assays for lactose determination find wide applications. assay uses specific enzyme-coupled reactions in which lactose is cleaved and the resulting galactose forms a colored product. The color intensity at 570nm or fluorescence intensity at 530nm/585nm is directly proportional to the lactose concentration in the sample.

Storage

-20°C

Shipping

On Ice

Size

100 tests

Detection method OD570nm, or FL530/585nm

Compatible Sample Types

Biological (milk), food and agriculture etc

Features & Benefits

Use as little as 20 µL samples. Linear detection range in 96-well plate: 17 to 2000 µM lactose for colorimetric assays and 6 to 100 µM for fluorimetric assays.

Assay time

30 min

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CREATIVE BIOMART®
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Sensitivity
6 μM

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