

## Lactose Assay Kit

### Product Information

**Cat**

Kit-2517

**Cat.No.**

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### Product Overview

Lactose (C<sub>12</sub>H<sub>22</sub>O<sub>11</sub>), also called milk sugar, is a disaccharide that consists of β-D-galactose and α/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**



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Assay Kit

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30 min

**Sensitivity**

6  $\mu$ M