

Lactose Assay Kit

Cat. No. Kit-2517 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Lactose (C ₁₂ H ₂₂ O ₁₁), 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	30 min
Sensitivity	6 μM

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