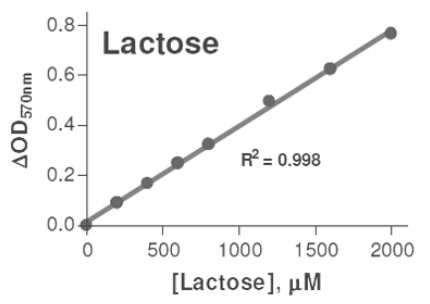
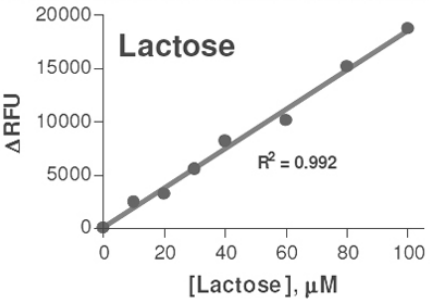
Lactose Assay Kit

Catalog # KA1672 Size 1 Kit

Applications



96-well colorimetric assay



96-well fluorimetric assay

The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	Lactose Assay Kit is for quantitative determination of lactose. The Kit uses specific enzyme-coupled reactions in which lactose is cleaved and the resulting galactose forms a colored product. The color i ntensity at 570 nm or fluorescence intensity at 530 nm/585 nm is directly proportional to the lactose c oncentration in the sample.
Suitable Sample	Food and Beverages Products, Milk and other Biological Samples.
Sample Volume	20 uL
Detection Method	Colorimetric, Fluorometric
Assay Type	Quantitative
Calibration Range	Colorimetric Assay: 17 to 2000 uM, Fluorimetric Assay: 6 to 100 uM

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Regulation Status	For research use only (RUO)
Quality Control Testing	Standard Curve The standard curve is for the purpose of illustration only and should not be used to calculate unknown s. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store the kit at -20°C.

Applications

- Functional Study

Publication Reference

- Acute and chronic effects of cortisol on milk yield, the expression of key receptors, and apoptosis of mammary epithelial cells in Saanen goats.

  G F Bomfim, G K F Merighe, S A de Oliveira, J A Negrao.

  Journal of Dairy Science 2022 Jan; 105(1):818.

  Application: Func, Goat, Goat mammary epithelial cells

- Dietary Zinc-Amino Acid Complex Does Not Affect Markers of Mammary Epithelial Integrity or Heat Stability of Milk in Mid-Lactating Cows.

  Shaffer JE, Mamedova LK, DeFrain JM, Pandalaneni K, Amamcharla JK, Takiya CS, Bradford BJ.

  Biological Trace Element Research 2018 Oct; [Epub].

  Application: Quant, Bovine, Bovine plasma

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