

Lactulose Assay Kit

Lactulose Fluorometric Assay Kit

CATALOG #
AAA179631

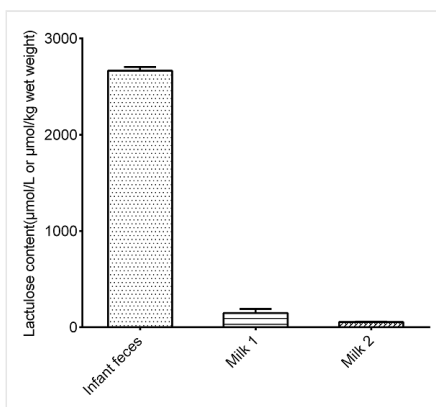
PRODUCT SYNONYMS

Lactulose; Lactulose Fluorometric Assay Kit; Lactulose assay kit

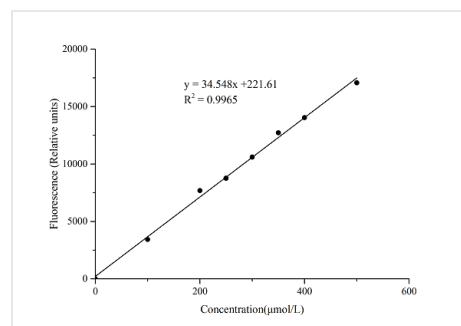
PRODUCT SPECIFICATIONS

Assay Type	Quantitative
Samples	dairy product, feces
Detection Range	4.78-500 $\mu\text{mol/L}$
Sensitivity	4.78 $\mu\text{mol/L}$
Detection Type	Fluorescence method
Detection Instrument	Fluorescence Microplate Reader
Precision	Inter CV: 7.4-9.7 Intra CV: 2.6-3.8
Research Area	Metabolic Diseases
Test Principle	Lactulose (4-o-beta-galactopyranosyl-D-fructo-furanose), also known as galactoside fructose, 4-beta-D-galactosid-D-fructose and lactulose, contains one molecule of galactose and one molecule of fructose. Lactulose is a kind of synthetic disaccharide formed by base isomerization of lactose catalyzed by free amino group of casein during milk heat treatment. Lactulose can produce a specific product under the action of enzyme, which reacts with the chromogenic agent to produce a fluorescence product. The excitation wavelength is 530 nm, and the emission wavelength is 590 nm.
Preparation and Storage	This product can be stored at -20 degree C for 12 months with shading light. Shipping: Ice bag

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Product Categories/Family for Lactulose assay kit	Cell Metabolism Assays; Metabolic Diseases
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/assay-kits/lactulose/179631>