CREATIVE BIOMART®
Assay Kit

?-Mannosidase Assay Kit

Product Information

Cat

Kit-2468

Cat.No. Kit-2468

Product Overview

a-MANNOSIDASE (AMA) is an enzyme which catalyzes the cleavage of the a form of mannose. a-Mannosidase assists in the breakdown of complex sugars from glycoproteins in the lysosome. Defective AMA or deficient AMA activity causes a-mannosidosis and leads to deterioration of the central nervous system in children. The non-radioactive, colorimetric AMA assay is based on the cleavage of 4-nitrophenol from the synthetic substrate. Nitrophenol becomes intensely colored after addition of the stop reagent. The increase in absorbance at 405 nm after addition of the stop reagent is directly proportional to the enzyme activity.

Storage

4°C

Shipping

RT

Size

100 tests

Detection method OD405nm

Compatible Sample Types

Biological samples e.g. plasma, serum, tissue and culture media.

Features & Benefits

Fast and sensitive. Linear detection range (10 µL sample): 1 to 250 U/L for a 10 minute reaction. Convenient and high-throughput. Homogeneous "mix-incubate-measure" type assay. Can be readily automated on HTS liquid handlingsystems for processing thousands of samples per day.

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Assay time
10 min
Sensitivity
1 U/L

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