CREATIVE BIOMART®
Assay Kit

Amylase Assay Kit

Product Information

ShortName

Amylase Assay Kit

Product Overview

Amylase Assay Kit detects activity of a-amylase through a two-step reaction.
In the amylase assay protocol, alpha-Amylase will cleave the substrate ethylidene-pNPG7 to produce smaller fragments that are eventually modified by alpha-glucosidase.
This causes the release of a chromophore that can then be measured at OD = 405 nm.
The assay can detect a-amylase content as low as 0.2 mU.

Storage

Store kit at -20°C in the dark immediately upon receipt. Kit has a storage time of 1 year from receipt, providing components have not been reconstituted.
Refer to list of materials supplied for storage conditions of individual components.
Observe the storage conditions for individual prepared components. Aliquot components in working volumes before storing at the recommended temperature.
Reconstituted components are stable for 2 months.

Kit Components

Amylase Assay Buffer: 55 mL -20°C
Amylase Substrate Mix: 5 mL -20°C
Amylase Positive Control (Lyophilized): 1 vial -20°C
Nitrophenol Standard (2mM): 150 µL -20°C

Materials Required but Not Supplied

MilliQ water or other type of double distilled water (ddH2O)
PBS
Microcentrifuge
Pipettes and pipette tips
Colorimetric microplate reader – equipped with filter for OD 405 nm

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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96 well plate: clear plate for colorimetric assay
Orbital shaker
Vortex
Dounce homogenizer or pestle (if using tissue)

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