CREATIVE BIOMART®
Assay Kit

Phenylalanine Ammonia-Lyase Activity Assay Kit (Fluorometric)

Product Information

ShortName

Phenylalanine Ammonia-Lyase Activity Assay Kit (Fluorometric)

Size

100 Assays

Product Overview

Phenylalanine Ammonia-Lyase Activity Assay Kit (Fluorometric) measures the activity of PAL via a two-step plate-based assay. The products of the PAL enzymatic reaction, generated in the first step, react with the developers resulting in the formation of a fluorescent compound, which is detected at Ex/Em = 410/470 nm. The kit can detect as low as 3 μU (3 pmol substrate catalysis/minute) of PAL under assay conditions.

Storage

On receipt entire assay kit should be stored at -20°C, protected from light. Kit has a storage time of 1 year from receipt, providing components have not been reconstituted.

Shipping

On ice

Kit Components

Ammonium Standard II 1 x 100μl -20°C;
Detection Reagent 1 x 1.2ml -20°C;
Microplate Sealing Film 1 unit -20°C;
PAL Assay Buffer 1 x 40ml -20°C;
PAL Positive Control 1 vial -20°C;
PAL Substrate 1 vial -20°C;

Materials Required but Not Supplied

96-well white plate with flat bottom

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Assay Kit

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Multi-well spectrophotometer
2-Mercaptoethanol
200-proof Ethanol
100% Glycerol
10 kDa Spin Column

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