CREATIVE BIOMART®
Assay Kit

Trypsin Activity Assay Kit

Product Information

Cat.No. Kit-0835

Product Overview

Trypsin Activity Assay Kit is use for measuring trypsin activity using fluorometric methods.

Description

Trypsin (EC 3.4.21.4) is a serine protease found in the digestive system of many vertebrates, where it hydrolyses proteins. Trypsin is produced in the pancreas as the inactive proenzyme trypsinogen. Active trypsin predominantly cleaves peptide chains at the carboxyl side of the amino acids lysine or arginine, except when either is followed by proline. It is used for numerous biotechnological processes. In the assay, trypsin cleaves a substrate to generate p-nitroaniline (p-NA) which is detected at λ=405nm. Since the color intensity is proportional to p-NA content, trypsin activity can be accurately measured. The kit detects 10-100 mU (p-NA unit) trypsin in various samples.

Target Species

Mammals

Usage

For research use only (RUO)

Storage

Store the kit at -20°C.

Kit Components

Trypsin Assay Buffer 25 mLTrypsin Substrate (in DMSO) 200 μLPositive Control (Lyophilized) 1 vialp-NA Standard (2 mM) 400 μLTrypsin Inhibitor (TLCK, 20 mM) 100 μLChymotrypsin Inhibitor (TPCK, 10 mM) 100 μl

Detection method Colorimetric

Compatible Sample Types

Biological Fluid, Cell Culture Supernatant, Plasma, Serum, Tissue Culture Supernatant, Urine

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