Trypsin Activity Assay Kit

Cat. No. Kit-0835 **Lot. No.** (See product label)

SPECIFICATION

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

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Compatible Sample Types	Biological Fluid, Cell Culture Supernatant, Plasma, Serum, Tissue Culture Supernatant, Urine

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