CREATIVE BIOMART®
Assay Kit

Plasmin Inhibitor Screening Kit

Product Information

Cat.No. Kit-2162

Product Overview

Plasmin Inhibitor Screening Kit utilizes the ability of Plasmin to cleave a synthetic AMC-based peptide substrate to release AMC, which can be detected by measuring its fluorescence at Ex/Em = 360/450 nm. In the presence of Plasmin specific inhibitors, the extent of cleavage reaction is reduced or completely abolished. The loss in the fluorescence intensity can be correlated to the amount of inhibitor present in the assay solution. The kit provides a simple and rapid method to screen potential inhibitors of Plasmin.

Size

100 assays

Description

Plasmin (EC 3.4.21.7) is a serine protease occurring in plasma as plasminogen. Upon activation via cleavage by plasminogen activators; plasmin solubilizes fibrin clots and activates and/or degrades compounds of the coagulation and complement systems. Plasmin inhibitors are critical in the treatment of hyperfibrinolysis-associated blood loss and related complications.

Applications

Screening potential inhibitors of plasminCharacterize/study plasmin inhibitors

Storage

Store kit at -20°C, protected from light. Briefly centrifuge small vials at low speed prior to opening. Read entire protocol before performing the assay.Plasmin Assay Buffer: Bring to room temperature before use.Plasmin Enzyme: Aliquot the stock solution and store at -80°C. Avoid repeated freeze/thaw.

Kit Components

Plasmin Assay Buffer: 15 mlPlasmin Dilution Buffer: 1.5 mlPlasmin Enzyme: 15 µlPlasmin Substrate: 0.2 mlPlasmin Inhibitor (Aprotinin, 0.6 mM): 0.1 ml

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Detection method Fluorescence (Ex/Em = 360/450 nm)

Features & Benefits

• Rapid, simple & reliable test for screening potential inhibitors of plasmin• Includes plasmin Inhibitor [Aprotinin]

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