Plasmin Inhibitor Screening Kit

Cat. No. Kit-2162 **Lot. No.** (See product label)

SPECIFICATION

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

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	µPlasmin Substrate: 0.2 mlPlasmin Inhibitor (Aprotinin, 0.6 mM): 0.1 ml
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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