Factor Xa Inhibitor Screening Kit (Fluorometric)

Cat. No. Kit-2346 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Factor Xa (FXa) is the activated form of the coagulation factor X (Stuart-Power factor, thrombokinase, prothrombinase, thromboplastin, E.C.3.4.21.6). Factor X, a serine endopeptidase, plays an important role at several stages of the coagulation pathway. It acts by converting prothrombin into active thrombin by complexing with activated co-factor V in the prothrombinase complex. Unfractionated heparin and various low molecular weight heparins bind to plasma cofactor Antithrombin to inactivate several coagulation factors including factor Xa. Factor Xa inhibitor screening kit utilizes the ability of Factor Xa to cleave a synthetic substrate thereby releasing a fluorophore, AMC, which can be quantified by a fluorescence reader. In the presence of an inhibitor, the extent of the 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 Factor Xa Inhibitor Screening Kit is a simple, straightforward, high-throughput assay to screen Factor Xa inhibitors.
Applications	Screening potential inhibitors of Factor Xa Characterizing/studying Factor Xa inhibitors in plasma samples
Storage	-20°C
Shipping	Gel Pack
Size	100 assays
Kit Components	FXa Dilution Buffer; FXa Assay Buffer; FXa Enzyme; FXa Substrate; FXa Inhibitor

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	(GGACK Dihydrochloride, 10 mM)
Detection method	Fluorescence (Ex/Em = 350/450 nm)
Features & Benefits	Simple and reliable test to screen/study/characterize Fxa inhibitors; High-throughput; Includes Inhibitor Control (GGACK Dihydrochloride)

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