Factor Xa Activity Fluorometric Assay Kit

Cat. No. Kit-0337 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Rapid, and convenient. The assay can detect Factor Xa activity as low as 1 ng.
Description	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 activity assay kit utilizes the ability of Factor Xa to cleave a synthetic substrate thereby releasing a fluorophore, AMC, which can be quantified by fluorescence readers. This assay kit is simple, rapid and can detect Factor Xa activity as low as 1 ng.
Applications	Determine activity of pure Factor Xa, Detect the activity of Factor Xa in plasma
Usage	For Research Use Only! Not For Use in Humans.
Storage	-20°C
Size	100 assays
Kit Components	• FXa Dilution Buffer • FXa Assay Buffer • FXa Enzyme Standard

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	• FXa Substrate
Detection method	Fluorescence (Ex/Em = 350/460 nm or Ex/Em = 350/470 nm)
Compatible Sample Types	Plasma, pure Factor Xa

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