



## F10 (Human) Chromogenic Activity Assay Kit

### Product Information

#### Cat.No.

Kit-0333

#### Product Overview

F10 (Human) Chromogenic Activity Assay Kit is developed to determine human F10 activity in plasma and cell culture.

#### Description

Factor X (FX) is a plasma serine protease zymogen involved in the blood coagulation cascade. FX is purified from plasma as a two-chain protein consisting of a 45-kDa heavy chain and a 17-kDa light chain. The FX heavy chain is cleaved during coagulation by several different proteases including the intrinsic Xase complex, the FX-activating enzyme from Russell's viper venom (RVV) and trypsin, and also by extrinsic (tissue factor/factor VIIa) pathway to give an active enzyme FXa. FXa, as the activator of prothrombin, occupies a central position linking the two blood coagulation pathways.

#### Target Species

Human

#### Usage

For research use only (RUO)

#### Storage

Upon arrival, immediately store components of the kit at recommended temperatures up to the expiration date. Opened diluents may be stored for up to 30 days at 2-8°C. Store reconstituted standard and reagents at -20°C or below and use within 30 days.

#### Kit Components

Microplate: One 96-well polystyrene microplate. 96 (8x12) wells  
Sealing Tapes: Pressure-sensitive sealing tapes that can be cut to fit the format of the individual assay. 3 slides  
Sample Diluent (6x): A six-fold concentrate. 5 mL  
Human FX Standard: Lyophilized. 20 µg  
Assay Diluent (1x): A working solution. 5 mL  
RVV: 1 vial, lyophilized. 1 vial  
FXa Substrate: Lyophilized. 2 vials  
The activity assay kit



CREATIVE **BIOMART**<sup>®</sup>  
Assay Kit

## **F10 (Human) Chromogenic Activity Assay Kit**

contains sufficient reagents to perform 100 tests using microplate method.

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