CREATIVE BIOMART®
Assay Kit

Factor XIIa Activity Assay Kit (Colorimetric)

Product Information

Cat

Kit-1054

Common Name

Factor

Cat.No. Kit-1054

Description

Factor XII or Hageman factor (EC 3.4.21.38), is the zymogen form of factor XIIa, a serine protease involved in Coagulation Pathway. This single chain zymogen is activated by Kallikrein into a two-chain serine protease (XIIa) with a heavy chain (factor XIIa-alpha) and a light chain. Human Factor XII and Prekallikrein are thought to be involved in a reciprocal activation mechanism in which Factor XIIa activates Prekallikrein to Kallikrein, which in turn converts Factor XII to XIIa. Factor XIIa activates Factor XI to XIa thereby triggering the Contact Factor cascade. The defects in this gene do not cause any clinical symptoms but prolong the whole blood clotting time. Factor XIIa activity assay kit utilizes the ability of factor XIIa to cleave a synthetic substrate to release p-Nitroaniline (pNA) which can be quantitatively measured by a colorimetric assay (OD405 nm). The kit is easy-to-use and can detect Factor XIIa (as low as 1 mPEU) from plasma sampless.

Applications

Measurement of Factor XIIa activity in plasma samples and purified/crude enzyme preparations

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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Assay Kit

Factor XIIa Activity Assay Kit (Colorimetric)

FXIIa Assay Buffer; FXIIa Activator; FXIIa Substrate; Human Factor XIIa; Human Factor XIIa Supplement; FXIIa Inhibitor; pNA Standard (0.1 M)

Target Species

Mammalians

Detection method Colorimetric (Absorbance 405 nm)

Features & Benefits

Simple, rapid & convenient assay to measure Factor XIa;
Includes Positive Control and Factor XIIa and Factor XIIa Inhibitors

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