

Human Prekallikrein Pool

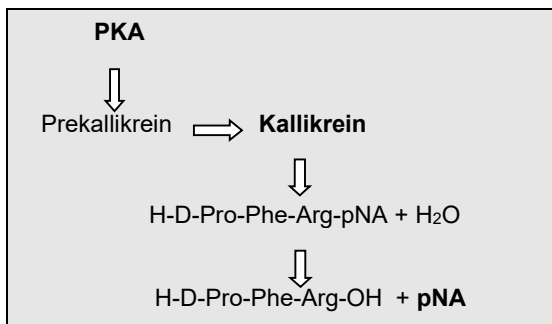
A Human Prekallikrein Pool for the determination of Prekallikrein Activator (PKA) in Human Blood Products and Biologicals according to the European Pharmacopoeia.

PRODUCT CODE: PW30505

5 x 2.0 ml

For Research Use Only

INTRODUCTION



The Human Prekallikrein pool is prepared according to the procedure recommended by the European Pharmacopoeia (EP) for assays of Prekallikrein Activator (PKA). The product is intended for use in assays of PKA based on the EP method. In the EP method for PKA the Human Prekallikrein pool is first activated to plasma kallikrein by Prekallikrein activator (PKA -FXIIa) in the test sample. The kallikrein formed then releases p-nitroaniline (pNA) from a chromogenic kallikrein substrate. The rate at which the pNA is released is measured photometrically at 405 nm and the amount of pNA released is proportional to the amount of PKA present in the preparation.

CONTENTS

Human Prekallikrein (5 x 2.0ml)

A lyophilised Human Prekallikrein pool prepared from human plasma according to the European Pharmacopoeia.

Reconstitute in 2.0 ml of sterile distilled water. Leave to stand at room temperature for 10 minutes, and then mix by gentle shaking, avoiding foam formation. Leave to stand for a further 10 minutes before use.

Reconstituted reagent stability, without contamination is:

- 24 hours at room temperature (18 – 24°C)
- 72 hours at 2 – 8°C
- 6 months frozen at -20°C

The lyophilised reagent pack should be stored at 2 to 8°C before use until the expiry date printed on the vial.

ADDITIONAL MATERIAL REQUIRED

- Chromogenic Kallikrein Substrate: H-D-Pro-Phe-Arg-pNA.
- PKA Standard

ASSAY METHOD

The Human Prekallikrein Pool is used to assay Prekallikrein Activator (PKA) according to the method outlined in the European Pharmacopoeia.

WARNINGS & PRECAUTIONS

- The Human Prekallikrein Pool has been prepared from human plasma. Each single plasma donation used in its production has been tested and found to be non-reactive for HbsAg, Anti-HIV 1 & 2, Anti HCV and Syphilis. However, as a human source product it be treated as a potentially infectious and handled appropriately.
- Care should be taken when handling the reagents contained in this pack.

LITERATURE

1. Longstaff C, Behr-Gross M-E, Daas A, Lackner F. An international collaborative study to replace the 1st international standard for prekallikrein activator. *Vox Sanguinis* 2005; 88:143-151.
2. Longstaff C, Behr-Gross M-E, Daas A, Lackner F. Collaborative Study to Establish a new Biological Reference Preparation for Prekallikrein Activator. *Pharmeuropa-Bio*, 2005-1, 1-11.
3. WHO/BS/2019.2357. WHO 3rd IS for Prekallikrein Activator

ALL REAGENTS AND MATERIALS ARE FOR IN VITRO USE ONLY.



Eurobio Scientific UK
Eclipse House, Curtis Road
Dorking, RH4 1EJ, UK
Tel: 0044 1306 888777
www.eurobio-scientific.co.uk