

Haemocoagulase

Cat. No. CED37 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Haemocoagulase is an isolated and purified snake venom enzyme from *Bothrops atrox*. It is free of any toxic protein substances.

Description

Haemocoagulase contains two different enzymes acting on blood coagulation; one has a thrombin like effect, the other has a thromboplastin like activity. In vitro, Haemocoagulase causes coagulation of fibrinogen by gradually splitting off fibrinopeptide A, giving rise to des-A-fibrin monomers, which polymerise end-to-end to fibrin. In the presence of platelet factor 3 Haemocoagulase activates factor X. In vivo, therapeutic doses of Haemocoagulase will not initiate intravascular coagulation. The des-A-fibrin monomer produced by Haemocoagulase remains in solution because it forms a complex with native fibrinogen. Haemocoagulase accordingly promotes and accelerates the physiological processes of haemostasis. Haemocoagulase shortens the bleeding and coagulation time.

Main therapeutic applications

Haemocoagulase is indicated in all fields of medicine, i.e. gynaecology, urology, gastro-enterology, dentistry for the prevention and treatment of haemorrhages of various origins, including cases where surgical treatment is required.

Background

Bothrops atrox is a venomous pit viper species found in the tropical lowlands of northern South America east of the Andes. No subspecies are currently recognized.

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