Application Note

SERVA Electrophoresis

Ancrod fibrinogenase from *C. rhodostoma*

Product information

Ancrod fibrinogenase is a thrombin-like serin protease. It has an anticoagulant effect on blood resulting from its defibrinogenating activity.
The enzyme is purified from the venom of the Malayan pit viper (*Calloselasma rhodostoma*) which is found naturally in Southeast Asia.

Courtesy R. Kreutz

The German pharmaceutical company **Nordmark Arzneimittel GmbH & Co. KG** has the facilities and the expertise to breed and milk the snakes and to purify proteins, among others Ancrod fibrinogenase, from the crude venom.

Courtesy R. Kreutz

SERVA Electrophoresis GmbH offers Ancrod fibrinogenase from *C. rhodostoma* as research grade suitable for coagulation or neurological research or for further applications which require a fibrinogenase activity.

Application notes

General

Ancrod fibrinogenase from *C. rhodostoma* is provided as a solution in phosphate buffer (100 mM sodium phosphate, pH 6.9; 100 mM sodium chloride).

Enzymatic activity

Fibrinogenase activity of Ancrod is expressed in International Units (IU) determined by coagulation assay using a WHO Ancrod Reference Standard.
1 IU is equivalent to 0.3125 NIH units.

Storage and handling

The recommended storage temperature is -15 °C to -25 °C.
For diluting Ancrod fibrinogenase solution SERVA recommends phosphate buffer (100 mM sodium phosphate, pH 6.9; 100 mM sodium chloride). Solution should be mixed thoroughly, centrifuged and used immediately.

Order information

Product	Cat. No.	Pack size
Ancrod fibrinogenase *from C. rhodostoma*	20990.01	100 IU*

*Larger pack sizes are available on request.

SERVA Ancrod fibrinogenase from *C. rhodostoma* is not intended for direct application in humans.

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