

Protac[®]






For research use only



REF	5346212 Protac [®]
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5 x 1 mL

Symbols key / Symbolschlüssel / explication des symbols

	manufactured by	AQUA	distilled water
	expiry date	DIL	dilute or dissolve in
	storage temperature	SUB	substrate
	consult instruction for use	LOT	lot
RUO	For resarch use only	REF	catalogue number
	determinations		



PRODUCT DESCRIPTION

INTENDED USE

Protac® activates Protein C from its zymogen to the protease. This active enzyme is then determined either directly by means of a chromogenic substrate or indirectly by the prolongation of the modified activated partial thromboplastin time.

COMPOSITION

Protac® is a highly purified extract of the snake venom from Agkistrodon Contortrix and is a quick-acting, direct activator of protein C. One vial contains sufficient protein C-activator so that it can be applied in modified aPTT determination as well as in chromogenic protein C determination with Technoclone reagents.

MATERIAL REQUIRED (not supplied with the kit)

- Pipettes
- Distilled water
- Buffer

REF	5341052	Protein C Buffer	60 mL
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- Reagents

REF	5346806	Protein C Deficient Plasma	2 x 1 mL
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REF	5353011	Substrat Protein C _a -2	2 x 6 µmol
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- Protein C kit

REF	5341013	Technochrom® Protein C	30 tests
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- Control and Calibration Plasma

REF	5020040	Coagulation Control N	5 x 1 mL
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REF	5020050	Coagulation Control N	50 x 1 mL
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REF	5021055	Coagulation Control A	5 x 1 mL
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REF	5021060	Coagulation Control A	50 x 1 mL
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REF	5220110	Coagulation Reference	5 x 1 mL
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REF	5220120	Coagulation Reference	50 x 1 mL
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WARNING AND PRECAUTIONS

- For research use only
- All blood and plasma samples and products have to be regarded as potentially infectious and handled with appropriate care and in compliance with the biosafety regulations in force and must be disposed of in the same way as hospital waste.

STABILITY AND STORAGE

The expiry date printed on the labels applies to storage of the unopened bottles at +2...8 °C.

Stability after reconstitution:

37°C	RT (20 ... 25°C)	4°C	-20°C
8 hours	3 days	1 week	6 months

TEST PROCEDURE

DETERMINATION OF ENZYME ACTIVITY

The method for the determination of Protein C_a by chromogenic substrate is dependent on the chromogenic substrate used.

When the chromogenic Substrate PC_a-2 of Technoclone GmbH is used, testing is performed according to instructions of the insert of the Technochrom Protein C Reagent Kit.

Full details of the method for the indirect determination of Protein C_a based on the aPTT are given in the leaflet accompanying the Protein C Deficient Plasma.

QUALITY CONTROL

In order to verify the accuracy of the results, Coagulation Control A and N should always be tested in the same way as the sample plasma.

STANDARDIZATION

The Coagulation Reference is calibrated against the International Reference Preparation of the WHO.

LIMITATION OF THE TEST

The values found when testing Control Plasma Normal and Control plasma Abnormal should be compared to the value given on the data-key for the corresponding lot of Control plasma. If the results obtained are outside the recommended range, avoid measuring samples until the problem is solved.

A new calibration is required for each batch of reagents and for each instrument used. Also a new calibration is recommended, if software changes are introduced or following a major service of either instruments or equipment.

APPLICATIONS FOR INSTRUMENTS

Application Sheets are available from Technoclone or your local distributor upon request.

LITERATURE

Please contact Technoclone or your local distributor.