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- Mindermengenzuschlag
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Recombinant Human Activated Protein C

CLENZ349
CLENZ349-2
CLENZ349-3

Lot:

Introduction: Activated Protein C exerts an antithrombotic effect by inhibiting Factors Va and VIIIa.

In vitro data indicate that Activated Protein C has indirect profibrinolytic activity through its ability to inhibit plasminogen activator inhibitor-1 (PAI-1) and limiting generation of activated thrombin-activatable-fibrinolysis-inhibitor. Additionally, in vitro data indicate that Activated Protein C may exert an anti-inflammatory effect by inhibiting human tumor necrosis factor production by monocytes, by blocking leukocyte adhesion to selectins, and by limiting the thrombin-induced inflammatory responses within the microvascular endothelium.

Description: Recombinant Human Activated Protein C produced in CHO is a disulfide-linked homodimeric, glycosylated, polypeptide chain having a molecular mass of 55 kDa.

Recombinant Human Activated Protein C is a serine protease with the same amino acid sequence and glycosylation sites as the human plasma-derived Activated Protein C.

The APC is purified by proprietary chromatographic techniques.

Synonyms: Coagulation factor V, Activated protein C cofactor, FVL, PCCF, factor V, APC.

Source: Chinese Hamster Ovary Cells (CHO).

Presentation: 50 µg (CLENZ349), 200 µg (CLENZ349-2), or 1 mg (CLENZ349-3), sterile filtered white lyophilized (freeze-dried) powder. Each mg protein contains 7.6 mg sodium chloride, 1.5 mg citrate, and 6 mg sucrose.

Solubility: It is recommended to reconstitute the lyophilized Coagulation factor V in sterile 18MΩ-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Stability: Lyophilized Factor V although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution APC should be stored at 4°C between 2-7 days and for future use below -18°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Please prevent freeze-thaw cycles.

Purity:

Greater than 99.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Laboratory Reagent For Research Use Only

JV 10/13/10

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