



Cobra Venom Factor (CVF)

Cat. No.: CTR-007

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

Cobra Venom Factor (CVF) is a non-toxic protein purified from cobra venom. It is a structural analogue of complement component C3 and has the function of complement activation. Treatment with CVF could deplete complement protein and achieve the desired anti-complement effect through continuously activating complement component C3 for a long time. Source:Venom from the Indian cobra naja naja kaouthia purchased from certified serpentariums located in the USA.

SPECIFICATIONS

Application

CVF binds to the victim's factor B and this is then activated by factor D forming CVF,Bb. CVF,Bb is a serine protease specific for the victim's C3 and often C5 as well. Once the complex is generated, it is extremely stable (half-life approximately 7 hours in blood). Then C3 is cleaved to C3b and C3a, C5 is cleaved to C5b and C5a.

Composition

Cobra Venom Factor (CVF)in buffer (10 mM sodium phosphate, 145 mM NaCl, pH 7.2).

Form

Liquid

Concentration

1.0mg/mL;>300 units/mg;>95% by SDS-PAGE

Storage

Storage at -70°C