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Anti-Inhibitor Coagulant Complex

National Cancer Institute

Source

National Cancer Institute. *Anti-Inhibitor Coagulant Complex*. NCI Thesaurus. Code C90853.

A sterile, freeze dried fraction of human plasma containing factor VIII coagulant antigen and both the inactive and active forms of coagulation factors II (prothrombin), VII, IX and X, with factor VIII (FVIII) inhibitor bypassing activity. Upon reconstitution and infusion, anti-inhibitor coagulant complex is able to, either directly or indirectly, activate thrombin, which facilitates the formation of fibrin from fibrinogen. This results in clot formation. In hemophilic patients, antibodies formed against factor VIII prevent factor VIII activation and impair thrombin formation; anti-inhibitor coagulant complex can both overcome the inhibitory activity of the antibodies and facilitate hemostasis in hemophilic patients.