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# Two-Stage Clotting Factor Assay

National Cancer Institute

## Source

National Cancer Institute. *Two-Stage Clotting Factor Assay*. NCI Thesaurus. Code C159551.

A two-staged test with purified coagulation factors in the first stage, and a FXa-specific chromogenic substrate in the second stage. In the first stage, diluted sample plasma, which has been treated with  $\text{Al}(\text{OH})_3$  to remove prothrombin, is mixed with a combined reagent (human serum, factor V, phospholipids and calcium). In the second stage, a subsample from the first stage is mixed with normal plasma, providing prothrombin and fibrinogen, and the clotting time is measured to deduce the amount of FVIII present.