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Antithrombin III:

Antithrombin III human (heparin cofactor, factor II_a inhibitor, and factor X_a inhibitor) is a serine protease inhibitor. It is a glycoprotein having a molecular weight of 58,000 Da.

One Antithrombin III Unit is the amount found in 1 mL of normal human plasma. The potency of antithrombin III is not less than 4.0

Antithrombin III Units per mg of protein when tested in the presence of heparin. It exhibits 90% homogeneity when tested by SDS-PAGE. Antithrombin III for test or assay purposes contains no detectable heparin. Test as follows. To a solution containing 1 Antithrombin III Unit per mL, add 1 µL of toluidine blue solution. In the presence of heparin, the color changes from blue to purple.

Auxiliary Information - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
ANTITHROMBIN III	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

Most Recently Appeared In:

Pharmacopeial Forum: Volume No. Information currently unavailable

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