

Certificate

ANTITHROMBIN III HUMAN

(*Antithrombin III*)

USP Catalog No.: 1040504

USP Lot No.: F03350

Antithrombin III Human

(*Antithrombin III*)

HGSPVDICTA KPRDIPMNPМ CIYRSPEKKA TEDEGSEQKI PEATNRRVWE
 LSKANSRFAT TFYQHLADSK NDNDFILSP LSISTAFAMT KLGACNDTLQ
 QLMEVFKFDI ISEKTSQIH FFFAKLNCRL YRKANKSSKL V*SANRLFGDK
 SLTFNETYQD ISELVYGAKL QPLDFKENAE QSRAAINKWV SNKTEGRITD
 VIPSEAINEL TVLVLVNTIY FKGLWKSFS PENTRKELFY KADGESCSAS
 MMYQEGKFRY RRVAEGTQVL ELPFKGDDIT MVLILPKPEK SLAKVEKELT
 PEVLQEWLDE LEEMMLVVHM PRFRIEDGFS LKEQLQDMGL VDLFSPEKSK
 LPGIVAEGRD DLYVSDAFHK AFLEVNEEGS EAAASTAVVI AGRSLNPNRV
 TFKANRPFLV FIREVPLNTI IFMGRVANPC VK

CAS No.: 9000-94-6

Molecular Formula: C₂₁₉₁H₃₄₅₁N₅₈₃O₆₅₆S₁₈
 (amino acid
 sequence only)

Molecular Weight: ~58,000 (including
 glycosylation)

Additional Information: Allow ampules to warm to room temperature before opening.

Reconstitute the entire content of an ampule with 1 mL of water. Let stand for 10 minutes at room temperature to allow complete dissolution of the material before use. The reconstituted standard should be used as soon as possible. When reconstituted, the aqueous solution contains 4.38 IU of antithrombin III human, 0.05 M Tris, 0.15 M NaCl, pH 7.4, 2 mg/mL of trehalose, and 10 mg/mL of human albumin.

Material is hygroscopic. Protect from light.

LABEL TEXT

USP REFERENCE STANDARD

ANTITHROMBIN III HUMAN

Each ampule contains 4.38 International Units (IU). Do not weigh. Reconstitute entire contents of ampule. See USP Certificate for additional information. Store in a freezer.



Warning! Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

Use only outdoors or in a well-ventilated area. Avoid breathing mist or vapor. Wash thoroughly after handling. Wear protective gloves. Wear eye/face protection. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

KEEP AMPULE IN SECONDARY CONTAINER!

LOT: F033S0

USP, 12601 Twinbrook Pkwy, Rockville, MD, +1-301-881-0666
CAT No. 1040504 Material mfd. in United States



For use with specified USP compendial tests.
Not for use as a drug. See SDS prior to use at www.usp.org/sds.

USP REFERENCE STANDARD

ANTITHROMBIN III HUMAN



Warning! See outer package for full hazard information.

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Jeri L. Joth

Quality Assurance

Calculation Value

If a value is not provided on the label or accompanying documentation and the Reference Standard has a quantitative USP compendial application, a value of 100.0% is used. The purity value is not applicable for qualitative uses. Please refer to the specific Reference Standard label for further information.

Expiration

Current lots are identified in the current USP Catalog. In some cases, the previous lot may still be considered valid for use. If so, it is identified in the column marked "Previous Lot/Valid Use Date."

It is the responsibility of each user to determine that this lot is current or valid when used. For the most up-to-date information, please refer to the USP Store at www.usp.org.

Instructions for Use

Follow the instructions on the label of the USP Reference Standard and in the appropriate USP documentary standard(s).

Non-Monograph Use

The suitability of this Reference Standard for use in non-compendial applications is solely the responsibility of the user.

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