

VWF Factor Reference standard

Cat. No. VWF-30H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

The preparation consists of glass sealed ampoules containing 1 ml aliquots of von Willebrand factor concentrate, freeze-dried. The standard is intended to be used for the estimation of von Willebrand factor in therapeutic concentrates via the calibration of working standards, such as manufacturers "in house" standards.

Species

Human

Usage

No attempt should be made to weigh out any portion of the freeze-dried material prior to reconstitution. Dissolve the contents of each ampoule of the reference standard by adding 1.0 ml of distilled water, using gentle shaking, then transfer the contents to a plastic tube. Although studies have shown the reconstituted standard to be stable for up to 4 hours when stored on melting ice it is recommended that assays should be carried out as soon as possible once reconstitution is complete. The use of frozen aliquots of the reference standard is not recommended.

Notes

This preparation is not for administration to humans. The preparation contains material of human origin, and either the final product or the source materials, from which it is derived, have been tested and found negative for HBsAg, anti-HIV and HCV RNA. As with all materials of biological origin, this preparation should be regarded as potentially hazardous to health. It should be used and discarded according to your own laboratory's safety procedures. Such safety procedures should include the wearing of protective gloves and avoiding the generation of aerosols. Care should be exercised in opening ampoules or vials, to avoid cuts.

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Stability

Reference materials are held at Creative Biomart within assured temperature-controlled storage facilities and they should be stored on receipt as indicated on the label. Accelerated degradation studies have indicated that this material is suitably stable, when stored at -20 °C or below, for the assigned values to remain valid until the material is withdrawn or replaced. These studies have also shown that the material is suitably stable for shipment at ambient temperature without any effect on the assigned values. Users who have data supporting any deterioration in the characteristics of any reference preparation are encouraged to contact Creative Biomart.

Storage

Unopened ampoules should be stored in the dark at -20 °C or below. Please note: because of the inherent stability of lyophilized material, Creative Biomart may ship these materials at ambient temperature.

GENE INFORMATION

Gene Name	VWF von Willebrand factor [Homo sapiens];
Official Symbol	VWF
Synonyms	VWF; von Willebrand factor; F8VWF; coagulation factor VIII VWF; VWD;
Gene ID	7450
mRNA Refseq	NM_000552
Protein Refseq	NP_000543
MIM	613160
UniProt ID	P04275

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Chromosome Location	12p13.3
Pathway	Blood Clotting Cascade, organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; ECM-receptor interaction, organism-specific biosystem; ECM-receptor interaction, conserved biosystem; Focal Adhesion, organism-specific biosystem;
Function	chaperone binding; collagen binding; glycoprotein binding; immunoglobulin binding; integrin binding; protease binding; protease binding; protein N-terminus binding; protein binding; protein homodimerization activity;