Von Willebrand Factor Multimer Assay

Order Name: **VON W MULT**
Test Number: 1502250
Revision Date: 05/27/2026

TEST NAME	METHODOLOGY	LOINC CODE
von Willebrand Factor Antigen	See Test Notes	27816-8
von Willebrand Factor Activity	See Test Notes	107372-5
von Willebrand Factor Activity/Ag	See Test Notes	81643-9
Low Molecular Wt vWF	See Test Notes	n/a
Intermediate Molecular Wt vWF	See Test Notes	n/a
High Molecular Wt vWF	See Test Notes	52754-9
von Willebrand Factor Interpretation	See Test Notes	48595-3

SPECIMEN REQUIREMENTS

Specimen	Specimen Volume (min)	Specimen Type	Specimen Container	Transport Environment
Preferred	**2 mL (1)**	**Plasma**	**Sodium Citrate 3.2% (Blue Top)**	**Frozen**

Instructions

Plasma from Light Blue Top Tube - Frozen
Volume: 2.0mL (min 1.0mL Note: This volume does not allow for repeat testing.)
Container: Blue stopper 3.2% sodium citrate plasma evacuated tube
Collection: Blood should be collected in a blue-top tube containing 3.2% buffered sodium citrate.24 Evacuated collection tubes must be filled to completion to ensure a proper blood-to-anticoagulant ratio.25,26 The sample should be mixed immediately by gentle inversion at least six times to ensure adequate mixing of the anticoagulant with the blood. A discard tube is not required prior to collection of coagulation samples unless the sample is collected using a winged (butterfly) collection system. With a winged blood collection set, a discard tube should be drawn first to account for the dead space of the tubing and prevent under-filling of the evacuated tube.27,28 When noncitrate tubes are collected for other tests, collect sterile and nonadditive (red-top) tubes prior to citrate (blue-top) tubes. Any tube containing an alternative anticoagulant should be collected after the blue-top tube. Gel-barrier tubes and serum tubes with clot initiators should also be collected after the citrate tubes. Please print and use the Volume Guide for Coagulation Testing to ensure proper draw volume.
Cause for Rejection: Lipemia; icteric specimen; hemolysis; clotted specimen; specimen contaminated with heparin (i.e., drawn with blood gases)

GENERAL INFORMATION

Expected TAT	4 - 11 days
Performing Labcorp Test Code	117245
Notes	The Sebia Hydragel™ assay employs an agarose gel for the separation of plasma proteins according to their molecular weight. The electrophoretic separation is carried out after sample treatment with an anionic detergent. This treatment disrupts the three-dimensional structure of the plasma VWF, allowing for the electrophoretic separation of the multimers based on their molecular weight. The system can reveal the loss or retention of HMWM and also intermediate MWM (IMWM) and thus serve as an aid in the characterization of the majority of VWD cases, for example, distinguishing samples with loss of HMWM (and potentially IMWM) (being type 2A, 2B or PT-VWD) from samples without loss of HMWM and/or IMWM (being type 1, 2M, 2N VWD or normal samples), from samples without VWF (i.e., type 3 VWD).1,2 von Willebrand Factor Antigen and Activity levels are measured in order to determine dilution needed for the multimer analysis and as an aid in interpretation of multimer pattern.

RESULT CODE	RESULT NAME	LOINC CODE
5197557	von Willebrand Factor Antigen	27816-8
5197558	von Willebrand Factor Activity	107372-5
5197559	von Willebrand Factor Activity/Ag	81643-9
5197560	Low Molecular Wt vWF	n/a
5197561	Intermediate Molecular Wt vWF	n/a
5197562	High Molecular Wt vWF	52754-9
5197563	von Willebrand Factor Interp	48595-3

CPT Code(s)	85245, 85246, 85247
Lab Section	Reference Lab