

von Willebrand Factor Activity, Plasma

#89792

USEFUL FOR: Diagnosis of von Willebrand disease (VWD) and differentiation of VWD subtypes or differentiation of VWD from hemophilia A (Note: this activity assay is most effective when it is combined with measurement of von Willebrand factor (VWF) antigen and factor VIII coagulant activity, preferably as a panel of tests with reflexive testing and interpretive reporting [eg, #83099 von Willebrand Profile]). Monitoring therapeutic efficacy of treatment with DDAVP (desmopressin) or VWF concentrates in patients with VWD.

Reflex Tests:

Unit Code	Reporting Name	Available Separately	Always Performed
9046	Ristocetin Cofactor, P	No	No

METHOD: 89792: Latex Particle-Enhanced Immunoassay
9046: Ristocetin Induced Agglutination of Washed Normal Platelets

REFERENCE VALUES: 55 - 200%

Normal, full-term newborn infants may have mildly increased levels which reach adult levels by 90 days postnatal. Healthy, premature infants (30 to 36 weeks gestation) may have increased levels that reach adult levels by 180 days.

Note: Individuals of blood group "O" may have lower plasma von Willebrand factor (VWF) activity than those of other ABO blood groups, such that apparently normal individuals of blood group "O" may have plasma VWF activity as low as 40% to 50%, whereas the lower limit of the reference range for individuals of other blood groups may be 60% to 70%.

Ristocetin Cofactor: 55-200%

SPECIMEN REQUIREMENTS: Draw blood in a light blue-top (citrate) tube(s). Spin down, remove plasma, spin plasma again, and place 2 mL of platelet- poor plasma into 2 plastic, screw-capped vials each containing 1 mL. (Glass vial is not acceptable.) Freeze specimens immediately at ≤ -40 degrees C, if possible.

CAUTIONS: Measurement of von Willebrand factor (VWF) activity alone has limited diagnostic value. The diagnosis of von Willebrand disease (VWD) requires a combination of clinical and laboratory information. VWF activity assay results generally must be used together with assays of VWF antigen and factor VIII coagulant activity for optimum clinical utility and diagnostic efficiency.

LIST FEE: \$179.00

The following test may be added per the testing algorithm:
\$192.20 for #9046 "Ristocetin Cofactor"

CPT CODES: 85397-von Willebrand Factor activity
85245-Ristocetin Cofactor (if applicable)

ANALYTIC TIME: 1 day

DAY(S) SET-UP: Monday through Saturday

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager
Kim J. Baker, Mayo Medical Laboratories' Technologist Support
Telephone: 800-533-1710