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Differential sensitivity of von Willebrand factor activity assays to reduced VWF molecular weight forms: A large international cross-laboratory study

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**TITLE:** Differential sensitivity of von Willebrand factor activity assays to reduced VWF molecular weight forms: a large international cross-laboratory study.

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**Short title:** VWF activity vs VWF size.

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**ABBREVIATIONS USED IN THIS PAPER:**

ELISA, enzyme linked immunosorbent assay; GPIb, glycoprotein Ib; HMW, high molecular weight (VWF); NAC, N-acetylcysteine; TTP, thrombotic thrombocytopenic purpura; VWF, von Willebrand factor; VWF:Ab, VWF activity assays based on the binding of a monoclonal antibody (MAB) to a VWF A1 domain epitope; VWF:Ag, VWF antigen (protein level); VWF:CB, VWF collagen binding; VWF:GPIbM, VWF activity assays based on spontaneous binding of VWF to a gain-of-function mutant GPIb fragment; VWF:GPIbR, VWF activity assays based on ristocetin-induced binding of VWF to a recombinant wild type GPIb fragment; VWF:RCo, VWF ristocetin cofactor; VWD, von Willebrand disease.

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