

# MRX Green vWF Antigen

- ▶ Liquid components, ready to use
- ▶ High precision and specificity for vWF Antigen
- ▶ Traceable to WHO 6<sup>th</sup> international standard, NIBSC 07/316
- ▶ Good correlation to existing vWF Antigen assays
- ▶ 10 weeks open vial stability



MRX Green vWF Antigen is a latex immunoassay for quantitative determination of von Willebrand Factor (vWF) Antigen in citrated human plasma which can be used as an aid in diagnosis of von Willebrand disease (vWD). vWD is the most common hereditary bleeding disorder and is caused by either a quantitative or a qualitative defect of vWF. To discriminate between the different types of vWD, several different lab tests are needed. MRX Green vWF Antigen can determine quantitative defects of vWF and is thereby an important tool to enable correct

diagnosis of vWD. MRX Green vWF Antigen consists of two components: MRX Green vWF Antigen Latex Reagent and MRX Green vWF Antigen Reaction Buffer. The latex reagent contains sub-micron sized polystyrene particles to which monoclonal antibodies specific for vWF are coupled. When the latex reagent is exposed to vWF in the presence of the reaction buffer, the particles will agglutinate and the light-scattering of the solution increase. The level of agglutination is proportional to the amount of vWF in the sample.

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## DETAILS

Product form	Liquid components, ready to use
Wavelength	500–700 nm

## ANALYTICAL PERFORMANCE CHARACTERISTICS

*Sysmex CS-2100i has been used for heparin measurement and some reproducibility testing.  
Sysmex CS-2500 has been used for all other measurements.*

Measuring range	5–180% vWF Antigen				
	<b>Sample</b>	<b>Repeatability</b>		<b>Reproducibility</b>	
		% vWF-Ag	CV%	% vWF-Ag	CV%
Precision	Level 1	18	1.7	18	3.0
	Level 2	38	1.7	38	3.9
	Level 3	102	1.6	99	4.4
No interference with	<ul style="list-style-type: none"> <li>▶ Conjugated bilirubin &lt;40 mg/dL</li> <li>▶ Unconjugated bilirubin &lt;40 mg/dL</li> <li>▶ Haemoglobin &lt;1000 mg/dL</li> <li>▶ Triglycerides &lt;900 mg/dL</li> <li>▶ Unfractionated heparin &lt;100 U/dL</li> <li>▶ Low molecular weight heparin &lt;330 U/dL</li> </ul>				
Prozone effect	No effect below 600% vWF Antigen.				

## STABILITY AND STORAGE

Storage	2–8 °C
Shelf-life	18 months at 2–8 °C
Open-vial stability	10 weeks at 2–8 °C

## ORDERING INFORMATION

PRODUCT NUMBER	PRODUCT NAME	CONTENT
K5052	MRX Green vWF Antigen	3x3.5 mL Latex reagent 3x3.5 mL Reaction buffer

## ASSOCIATED PRODUCTS

PRODUCT NUMBER	PRODUCT NAME	CONTENT
K5053	MRX vWF Antigen Calibrator	4x1 mL
K5021	MRX Specialty Normal Control	10x1 mL
K5022	MRX Specialty Abnormal Control	10x1 mL
K5047	MRX PBS Diluent	10x5 mL
K5036	MRX Laboratory Water	10x5 mL