MediRox

IVD

CE

MRX Protein C

- Liquid components, ready to use
- High precision and specificity for Protein C activity
- Chromogenic assay, works on most systems with wavelength 405 nm
- Good correlation to existing Protein C assays
- Calibrated against WHO 2nd international standard, NIBSC 02/342

MRX Protein C is a chromogenic test for quantitative determination of protein C activity in citrated human plasma which can be used as an aid in diagnosis of protein C deficiency. Protein C deficiencies, hereditary and/or acquired, increase the risk for developing thromboembolic disease. There are two different types of protein C deficiency; type I refers to reduced biosynthesis whereas type II is characterised by a decrease in functional activity. MRX Protein C measures protein C activity, thus covering both types of protein C deficiencies. MRX Protein C consists of two components: Protein C Activator and Protein C Substrate. When a plasma sample is mixed with the Protein C Activator, all functional protein C is activated. The level of activated protein C in the plasma sample is quantified by adding a substrate that is specifically hydrolysed by activated protein C. The pNA released when the substrate is cleaved is proportional to the protein C level in the sample.

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For downloads, please visit nordicbiomarker.com

MM-4608, VERSION: 2.0

MediRox

DETAILS

Product form	Liquid components, ready to use
Wavelength	405 nm

ANALYTICAL PERFORMANCE CHARACTERISTICS

Sysmex CS-2100i has been used for heparin measurements and parts of the reproducibility testing. Sysmex CS-2500 has been used for all other measurements.

Measuring range	8–186% protein C				
Precision		**Repeatability**		**Reproducibility**	
	Sample	**% PC**	**CV %**	**% PC**	**CV %**
	Level 1	18	2.8	19	3.5
	Level 2	38	1.5	40	3.3
	Level 3	103	1.4	106	2.5
No interference with	▶ Bilirubin (conjugated) ≤25 mg/dL ▶ Bilirubin (unconjugated) ≤25 mg/dL ▶ Haemoglobin ≤240 mg/dL ▶ Unfractioned heparin ≤200 U/dL ▶ Triglycerides ≤375 mg/dL				

STABILITY AND STORAGE

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

ORDERING INFORMATION

PRODUCT NUMBER	PRODUCT NAME	CONTENT
K5020	MRX Protein C	3x2.5 mL Activator 3x2.5 mL Substrate

ASSOCIATED PRODUCTS

PRODUCT NUMBER	PRODUCT NAME	CONTENT
K5023	MRX Protein C 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

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Manufactured in Sweden

NORDIC BIOMARKER