



MediRox D-Dimer series is a further developed D-Dimer Kit utilizing the same monoclonal antibody in three different reagents, making it suitable to most measuring systems. Thereby a unified D-dimer reporting can be achieved between different brands of equipment and measuring methods. MediRox D-Dimer is currently in use with instruments from IL[®], Sysmex[®], Behring[®], Teco[®], Bayer[®], Behnk, Hitachi[®], Olympus[®] and others.

- » Latex based assay
- » Liquid components, ready to use
- » Adoptable to most 350-900 nm measuring systems
- » Excellent correlation between 405 nm / 660 nm / 800 nm methods





D-dimer is a key indicator of thrombotic events such as deep venous thrombosis (DVT), pulmonary embolism (PE) and disseminated intravascular coagulation (DIC). MRX D-Dimer is used to exclude a diagnosis of DVT or PE and to monitor therapy in DIC.

PERFORMANCE CHARACTERISTICS

The reaction is obtained through latex particles coated with a monoclonal antibody directed against D-dimer. In the presence of D-dimer the latex particles will aggregate and an optical change can be measured. An obstacle in standardising D-dimer reporting has been that manufacturers of instrument have developed reagents based on a unique series of monoclonal antibodies. This has led to a variation in results between systems, and besides the risk of confusion regarding patient results it complicates all forms of external control programs. MediRox series of D-Dimer is unique to share one monoclonal antibody for all reagents. With the same antibody MRX143 and MRX147/147B can be used on most reading devices, and can be jointly calibrated.

DETAILS & TYPICAL DATA

Parameters	MRX147/147B	MRX143
Product form:	Liquid components	Liquid components
Wavelength:	400-600 nm	600-800 nm
Sensitivity:	99% NPV (200 ng/mL cut off)	98% NPV (200 ng/mL cut off)
Hook Effect:	No Hook effect <100 000 ng/mL	No Hook effect <130 000 ng/mL
Dynamic Range:	41,3 - 1000 000 pg/mL	41,3 - 1000 000 pg/mL
No interferences with:	UF and LMW Hep. <100 U/mL, Bilirubin < 0,1 g/L, Triglyc. <2,5 g/L, Hemoglobin <4 g/L	UF and LMW Hep. <100 U/mL, Bilirubin <0,5 g/L, Lipids <20 g/L, Hemoglobin <10 g/L
Specificity:	MRX D-Dimer series have >100-fold specificity for D-dimer over fibrinogen, fibrinogen D or fragment E	

ORDERING INFORMATION

Reference Number	Product Description	Pack Size
MRX147	400-600 nm D-Dimer Kit, concentrated	5x3 mL Latex 5x7 mL Reaction buffer
MRX147B	400-600 nm D-Dimer Kit, pre-diluted	5x6 mL Latex 5x7 mL Reaction buffer
MRX143	600-800 nm D-Dimer Kit	5x4 mL Latex 5x7 mL Reaction buffer
MRX144	D-Dimer Calibrator (DDU and FEU)	1x1 mL
MRX1202	Multi Calibrator I (AT, Fib, D-dimer)	1x1 mL, 10x1 mL
MRX171/172/173	Eximius Control Basic L1/L2/L3	10x1 mL pack per level
MRX181/182/183	Eximius Control PLUS L1/L2/L3	10x1 mL pack per level