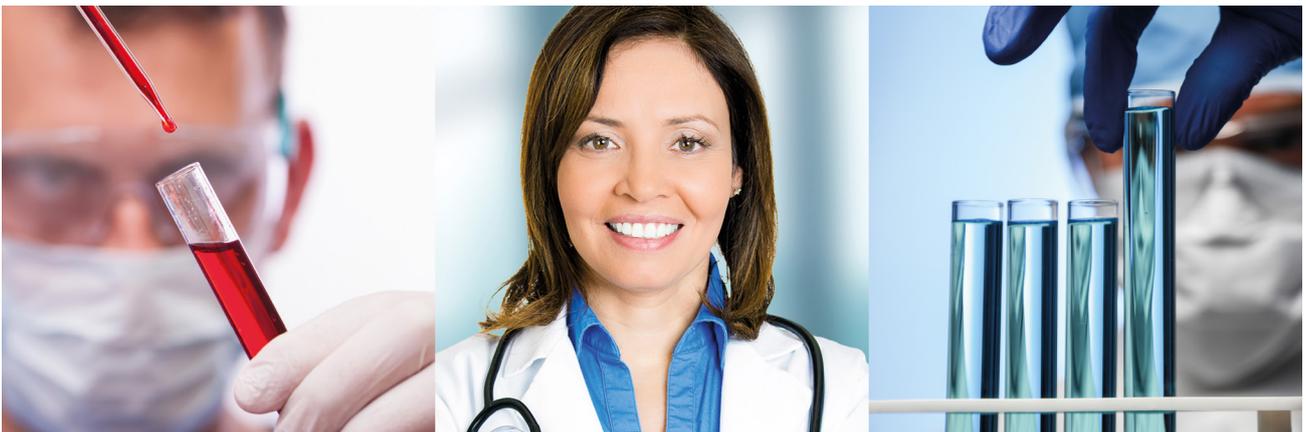




MediRox D-Dimer series is a further developed D-Dimer Kit utilizing the same monoclonal antibody in three different reagents, making it suitable to most measuring systems. Thereby a unified D-dimer reporting can be achieved between different brands of equipment and measuring methods. MediRox D-Dimer 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,<br>Bilirubin < 0,1 g/L, Triglyc. <2,5 g/L,<br>Hemoglobin <4 g/L            | UF and LMW Hep. <100 U/mL,<br>Bilirubin <0,5 g/L, Lipids <20 g/L,<br>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<br>5x7 mL Reaction buffer |
| MRX147B          | 400-600 nm D-Dimer Kit, pre-diluted   | 5x6 mL Latex<br>5x7 mL Reaction buffer |
| MRX143           | 600-800 nm D-Dimer Kit                | 5x4 mL Latex<br>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                 |