

MRX FDP



The determination of fibrinogen degradation products (FDP) has become a prevalent aid in the diagnosis of disseminated intravascular coagulation (DIC), pulmonary embolism (PE), deep vein thrombosis (DVT) and acute aortic dissection (AAD). The FDP assay is commonly used in some markets where the laboratories run the FDP assay in parallel with the D-Dimer assay.

FDP is a generic name for all fragments formed during plasmin cleavage of fibrin and fibrinogen. Whereas plasmin degradation of fibrin occurs in presence of a fibrin clot, plasmin degradation of fibrinogen occurs during over activation of the coagulation system causing systemic fibrinolysis. During systemic fibrinolysis, seen in patients with DIC, activated plasmin cleaves circulating fibrinogen, rendering elevated levels of fibrinogen degradation products in the blood stream.

MRX FDP reagent consists of sub-micron sized polystyrene particles coupled to monoclonal antibodies specific for FDP. When the reagent is exposed to an FDP containing plasma sample, the particles will agglutinate, giving rise to increased light-scattering. When exposed to the appropriate wavelength of light, the increase in measured turbidity, or light-scattering, is proportional to the amount of FDP in the sample.

MRX FDP is suitable for automatic coagulation and clinical-laboratory instruments using turbidimetric detection in the 500 - 650 nm wavelength range.

- » Specific for fibrin- and fibrinogen degradation products
- » Good correlation to existing FDP assays
- » Optimised for instruments in the 500-650 wavelength range

DETAILS & TYPICAL DATA

Product form:	Liquid components
Origin:	Monoclonal antibodies
Wavelength:	500-650 nm
Additional products needed:	<ul style="list-style-type: none"> •Sample Diluent (0,9 % NaCl) (MRX184) for calibrator dilutions •FDP Clear Low/High Control (MRX191/MRX192) •FDP Clear Calibrator (MRX1207)
Linearity:	0.9-113 ug/mL
No interference with:	Hemoglobin <2000 mg/dL, Bilirubin <50 mg/dL, Triglycerides <2190 mg/dL, UFH <110 U/mL and LMWH <1100 U/mL

STABILITY & STORAGE

Storage:	2-8 °C
Shelf-life:	24 months at 2-8 °C
Open-vial stability:	4 weeks at 2-8 °C

ORDERING INFORMATION

Reference number	Product description	Size
MRX132	FDP 550 nm (latex + reaction buffer)	5x5 mL + 5x9 mL
MRX184	Sample Diluent (0,9% NaCl)	1x8 mL
MRX191	FDP Clear Low Control	10x1 mL
MRX192	FDP Clear High Control	10x1 mL
MRX1207	FDP Clear Calibrator (5-Levels)	5x1 mL