MRX FIB CLAUSS

Fib Clauss is internationally the most established method for determinig fibrinogen concentration in citrated plasma, which is of clinical importance when unexplained bleeding occurs. To fulfil the market requirements and needs, Medirox has developed two different designs of Fib Clauss reagents, one having 100 UNIH/mL bovine thrombin being highly resistant to dabigatran and the other having 29 UNIH/mL thrombin suitable for the more price sensitive markets where no dabigatran is prescribed.

MRX Fib Clauss is a functional clotting assay used for quantification of fibrinogen in citrated plasma. The fibrinogen levels are of clinical importance and can be used as a diagnostic tool in many pathological conditions. Disseminated intravascular coagulation (DIC) and liver disease are associated with low fibrinogen levels, whereas high fibrinogen levels are associated with an increased thrombotic risk.

MRX Fib Clauss reagents utilise the Clauss technique, where a high concentration of thrombin is added to pre-diluted plasma and the clotting time is measured. The clotting time depends on the level of functional fibrinogen in the sample. A calibration curve is generated by serial dilutions of a reference plasma with a known concentration of fibrinogen, and the clotting times for the samples are converted to g/L or mg/dL.

MRX Fib Clauss reagents are characterised by a large linear range, up to 8 g/L limiting the number of re-analyses with enhanced pre-dilutions of the samples.

- Two Fib Clauss products (100 UNIH/mL and 29 UNIH/mL thrombin)
- Linearity up to 8 g/L
- High stability

MediRox HAEMOSTASIS

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MRX FIB CLAUSS

DETAILS & TYPICAL DATA		
Product form:	Lyophilised	
Fib Clauss products:	• MRX942 (29 UNIH/mL thrombin) • MRX942B (100 UNIH/mL thrombin)	
Origin:	Bovine thrombin	
Additional products needed:	• Diluent (GHI154) or CLSI CLRW type water or equivalent • Sample Diluent (0,9% NaCl) (MRX184) for sample and calibrator dilutions • Eximius Control Basic or Plus (L1/L2/L3) (MRX170-MRX173, MRX180-MRX183) • Scandinavian Basic, Multi or Multi Plus Controls (L1/L2) (GHI163/GHI169, GHI162/167B, GHI164/GHI170) • Fib Clauss Calibrator (MRX1204) or Multi Calibrator II (MRX1203) • Imidazole Buffer (MRX185-15) required for some instruments	
Parameters:	**MRX942**	**MRX942B**
Linearty:	Linear calibration from 0,6-6,0 g/L	Linear calibration from 0,6-8,0 g/L
Expected values:	1,59-3,51 g/L	1,49-3,57 g/L
No interferences with:	Bilirubin <50 mg/L, UFH <1,0 IU/mL, Triglycerides <3,75 g/L, Hemoglobin <0,375 g/L, Dabigatran <100 µg/L	Bilirubin <50 mg/L, UFH <4,0 IU/mL, Triglycerides <3,75 g/L, Dabigatran <475 µg/L, Haemolysed plasma should not be assayed.

STABILITY & STORAGE	
Storage:	2-8 °C
Shelf-life:	24 months at 2-8 °C
Reconstituted solution:	7 days at 2-25 °C

ORDERING INFORMATION		
Reference number	**Product description**	**Size**
MRX942B-2	MRX Fib Clauss (100 UNIH/mL)	10x2 mL
MRX942B	MRX Fib Clauss (100 UNIH/mL)	10x5 mL
MRX942-2	MRX Fib Clauss (29 UNIH/mL)	10x2 mL
MRX942	MRX Fib Clauss (29 UNIH/mL)	10x5 mL
GHI154 -2	Diluent (CLSI CLRW type water)	10x2 mL
GHI154-4	Diluent (CLSI CLRW type water)	10x4 mL
GHI154	Diluent (CLSI CLRW type water)	10x5 mL
GHI154-10	Diluent (CLSI CLRW type water)	10x10 mL
MRX184	Sample Diluent (0,9 % NaCl)	10x8 mL
MRX185-15	Imidazole Buffer	10x15 mL
MRX170	Eximius Control Basic (L1+L2+L3)	4+4+2x1 mL
MRX171/172/173	Eximius Control Basic (L1/L2/L3)	10x1 mL pack per level
MRX180	Eximius Control Plus (L1+L2+L3)	4+4+2x1 mL
MRX181/182/183	Eximius Control Plus (L1/L2/L3)	10x1 mL pack per level
GHI163/169	Scandinavian Basic Control (L1/L2)	10x1 mL pack per level
GHI162/167B	Scandinavian Multi Control (L1/L2)	10x1 mL pack per level
GHI164/170	Scandinavian Multi Plus Control (L1/L2)	10x1 mL pack per level
MRX1204	Fib Clauss Calibrator	1x1 mL
MRX1203	Multi Calibrator II (PT Quick, AT, fibrinogen)	1x1 mL
MRX1203-10	Multi Calibrator II (PT Quick, AT, fibrinogen)	10x1 mL

Version 005

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