



MediRox APTT Liquid reagent is used for in vitro determination of the Activated Partial Thromboplastin Time (APTT). APTT is measured to obtain a global evaluation of the intrinsic pathway and for monitoring heparin anticoagulant therapy. The MediRox APTT reagent has been designed to provide an extra long reaction time in order to obtain a high resolution for clearest interpretation of results.

- » Liquid reagent and liquid CaCl_2 , ready to use
- » High resolution
- » Low lot-to-lot variation
- » Insensitive to lupus anticoagulant





APTT is an important assay for pre- and post-operative screening and for several therapies. It tests for deficiencies in coagulation factors - i.e factors V, VIII, IX, X, XI, XII, prekallikrein and high-molecular weight kininogen - and is commonly used to monitor heparin therapy and to detect lupus anticoagulant (LA) Since there is no international standard for APTT to correlate against, each APTT on the market has its own composition of phospholipids and activator, giving reagents different characteristics. MediRox APTT MRX930 and 931 can be characterized as Heparin and FVIII sensitive, while still being insensitive to presence of LA, since LA can cause a falsely pro-longed APTT. Thus it is suitable to monitor Heparin treatment and haemophilia screening, while less suitable to detect LA.

PERFORMANCE CHARACTERISTICS

MediRox APTT reagent utilizes a contact activator to stimulate generation of Factor Xla by providing a surface for the interaction of high molecular weight kininogen, kallikrein and Factor XIIa. The contact activation is allowed to proceed at 37 °C for a period of time before calcium chloride is added to trigger further reactions and finally a formation of fibrin clot. The MRX APTT reagent contains phospholipids and silicate to ensure a highly consistent and stable product. The product is designed to be insensitive to Lupus anticoagulant and to have high sensitivity to heparin.

SENSITIVITY & SPECIFICITY

RANGE

Normal range : <35 sec
Abnormal range: >35 sec

HEPARIN SENSITIVITY

Heparin	APTT Clotting Time
0 IU/mL	30 sec
0.2 IU/mL	70 sec

FACTOR SENSITIVITY

Factor level	F VIII	F IX	F XI
<1%	86 sec	71 sec	92 sec
10%	46 sec	44 sec	51 sec
40%	34 sec	34 sec	34 sec
100%	29 sec	29 sec	29 sec

STABILITY & STORAGE

Shelf life: 24 months from date of manufacture in 2-8 °C
Opened vial: 30 days from date of opening

ORDERING INFORMATION

Item No.	Product Description	Pack Size
MRX930	APTT, Lupus insensitive	APTT 5x5 mL CaCl ₂ 5x5 mL
MRX931	APTT, Lupus insensitive	APTT 5x10 mL CaCl ₂ 5x10 mL
MRX170	Eximius Control Basic Triple Set	4x1 mL L1 4x1 mL L2 2x1 mL L3
MRX171/172/173	Eximius Control Basic L1/L2/L3	10x1 mL each
MRX180	Eximius Control PLUS Triple Set	4x1 mL L1 4x1 mL L2 2x1 mL L3
MRX181/182/183	Eximius Control PLUS L1/L2/L3	10x1 mL each