



Prothrombin Time (PT) is one of the most frequently measured/analysed coagulation parameter. The Owren's PT method is predominantly used in Scandinavia, Japan and parts of Benelux and Austria, where it is preferred over PT Quick method since it is less sensitive to interferences, and can be used with both whole blood and plasma.

- » For whole blood, plasma or capillary method, one- or two- components
- » For optical and mechanical detection systems
- » Distinct clot formation suitable for mechanical systems
- » Sensitive at remarkably low PT-activity (high INR)





MediRox Owren's PT reagent GHI131-10 consist of lyophilized thromboplastin from rabbit brain powder and plasma fraction of bovine origin. The plasma fraction is to high degree deficient in FII, FVII and FX is the source of fibrinogen and FV. The reagent formula has been designed to create an extra strong clot, making it suitable for both mechanical and optical measuring systems.

## PERFORMANCE CHARACTERISTICS

MediRox PT Owren reagent is intended for the determination of Prothrombin Complex Activity and gives information about the activity of the vitamin K-dependent coagulation factors II, VII and X. A main reason for the preference for this method in Scandinavia is that the Owren's method, in contrast to the more frequently used Quick method is less sensitive to interference by lupus antibodies, platelets or excess of citrate anticoagulant. The insensitivity to variations in Factor V and fibrinogen is also appreciated. In addition, Owren's PT can be measured in whole-blood or plasma, and since it employs a greater reagent-to-volume ratio, it is more suited for near-patient applications. Furthermore, the heparin insensitivity is better for the Owren's method than the PT Quick method and to further increase the insensitivity to heparin, a polybrene buffer is available. Provided that results are expressed in INR, PT Quick and PT Owren give comparable results.

## DETAILS & TYPICAL DATA

Product form: Lyophilised  
 Expected ISI value: 0,9-1,2  
 Range: <10 INR  
 Factor sensitivity: FII, FVII and FX  
 No interferences with: Heparin <4 IE/mL\*, Triglycerides <10 g/L, Bilirubin <500 mg/L, Hemoglobin <10 g/L

\*When using buffer with Polybrene (MRX152)

## STABILITY & STORAGE

Storage: 2-8 °C  
 Shelf life: 24 months at 2-8 °C  
 Reconst. solution: 7 days at 2-25 °C

## ORDERING INFORMATION

Reference Number	Product Description	Pack Size
GHI131-10	MRX Owren's PT, 10mL	10x10 mL
GHI131- 4	MRX Owren's PT, 4mL	10x4 mL
GHI155	CaCl <sub>2</sub>	6x100 mL
GHI155-5	CaCl <sub>2</sub>	10x5 mL
GHI155-2	CaCl <sub>2</sub>	10x2 mL
GHI154	Diluent, 5mL	10x5 mL
GHI154-2	Diluent, 2mL	10x2 mL
MRX150	PT Buffer (Barbitural free)	10x10 mL
MRX152	PT Buffer Polybrene (Barbitural free)	10x10 mL
GHI163/162/164	Scandinavian Normal Control Plasma	10x1 mL per pack
GHI169/167b/170	Scandinavian Abnormal Control Plasma	10x1 mL per pack