

PT Owren

Unaffected by
FV or fibrinogen

Less LA sensitive
than conventional PT

Stable up to 6 days
after reconstitution

PT Owren measures the prothrombin time, based on the activity of the vitamin K-dependent coagulation factors; FII, FVII and FX, specifically. PT Owren can be used to monitor warfarin therapy and to evaluate the function of the extrinsic pathway of the coagulation cascade. The reagent is enriched with FV

and fibrinogen from bovine plasma (deficient of FII, FVII and FX), making it insensitive to variations in patient FV and fibrinogen levels. Also, due to the 1:21 sample dilution, the Owren PT method is relatively insensitive to interferences.



- ▶ Generates results in International Normalised Ratio (INR) like conventional PT Quick
- ▶ Insensitive to variations in FV and fibrinogen concentration
- ▶ Relatively insensitive to optical interferences
- ▶ Less sensitive to lupus anticoagulants (LA) compared to conventional PT Quick
- ▶ High precision up to INR 6

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DETAILS

Product form	Lyophilised
Wavelength	For instrument specific settings, consult instrument applications.

ANALYTICAL PERFORMANCE CHARACTERISTICS

ACL TOP and Sysmex CS series have been used for these measurements.

Precision	Sample	Repeatability ACL TOP		Repeatability Sysmex CS series		Reproducibility ² Mean INR (CV)
		1X ¹	2X ¹	1X ¹	2X ¹	
		Mean INR (CV)	Mean INR (CV)	Mean INR (CV)	Mean INR (CV)	
	Level 1	1.0 (1.5%)	1.0 (1.5%)	1.0 (0.7%)	1.0 (1.0%)	2.1 (4.0%)
	Level 2	2.8 (1.6%)	2.7 (2.5%)	2.8 (1.3%)	2.7 (1.4%)	2.6 (5.1%)
	Level 3	4.2 (2.4%)	3.9 (2.2%)	4.0 (1.2%)	3.9 (1.0%)	3.1 (4.9%)
	Level 4	5.8 (2.2%)	5.7 (2.8%)	6.3 (1.2%)	6.0 (1.1%)	3.3 (5.5%)
No interference with		<ul style="list-style-type: none"> ▶ Bilirubin ≤40 mg/dL ▶ Haemoglobin ≤1000 mg/dL ▶ Triglycerides ≤1500 mg/dL (ACL Top) or ≤1000 mg/dL (Sysmex) ▶ Unfractionated heparin ≤50 U/dL ▶ Low molecular weight heparin ≤100 U/dL 				

1. Reconstitution method.

2. Meijer et al. (2018), refer to IFU-4620, IFU-4621 or IFU-4622.

STABILITY AND STORAGE

Storage	2–8 °C
Shelf-life	30 months at 2–8 °C
After reconstitution	4 or 6 days at 2–8 °C, depending on reconstitution method

ORDERING INFORMATION

PRODUCT NUMBER	PRODUCT NAME	CONTENT
C3096	PT Owren	10 mL Reagent

ASSOCIATED PRODUCTS

PRODUCT NUMBER	PRODUCT NAME	CONTENT
C3109/C3112	Routine/Specialty Normal Control	1 mL
C3110/C3113	Routine/Specialty Abnormal Control	1 mL
C3142	Calcium Chloride 5 mL	5 mL
C3141	Calcium Chloride 100 mL	100 mL
C3144	Calcium Chloride Bulk	Bulk*
C3137	Laboratory Water 5 mL	5 mL
C3138	PT Buffer 5 mL	5 mL
C3139	PT Buffer 100 mL	100 mL
C3147	PT Buffer 10 mL	10 mL

* Different filling volumes available upon request