

New

GEM[®] PCL Plus

Portable Coagulation Laboratory

Immediate Care



- PT
- Citrate PT
- APTT
- ACT-LR
- ACT

The new GEM PCL Plus Coagulation Laboratory is a portable, whole-blood coagulation system designed to provide rapid results for PT, APTT, ACT-LR, ACT and Citrate PT tests. The GEM PCL Plus is the ideal solution for laboratory and point-of-care testing. Add the GEM Premier™ 3000 analyzer to create a comprehensive critical care testing portfolio.

Easy to Use

- Add sample - press "START"
- Portable, battery-operated
- Maintenance-free
- Fresh or citrated whole-blood samples
- Fully automated sample measuring and mixing
- "NOTE" button for pre-configured comments

Daily QC Requirements

- Electronic QC cartridges (2 levels) for daily QC

Security Assured

- QC lockout
- Mandatory Operator ID option
- Mandatory Patient ID option

Traditional Reporting

- PT reported as plasma-equivalent seconds and INR
- APTT measurement range to 300 plasma-equivalent seconds
- ACT reported in Celite-equivalent seconds
- Mechanical endpoint clotting, detected optically
- ACT not affected by Aprotinin



Immediate Care Diagnostics

Specifications

Tests

Test	Measurement Ranges	Reagent/Activator	Clinical Application
PT	10 - 150 plasma-equivalent seconds 0.8 - 12.0 INR	Thromboplastin ISI = 1.0	Monitor oral anticoagulant therapy
Citrate PT	10 - 150 plasma-equivalent seconds 0.8 - 12.0 INR	Thromboplastin ISI = 1.0	Monitor oral anticoagulant therapy
APTT	20 - 300 seconds	Kaolin	Monitor low levels of heparin (0-1.5 U/mL)
ACT-LR	67 - 400 seconds	Celite	Monitor low to moderate levels of heparin (0-2.5 U/mL)
ACT	65 - 1005 seconds	Kaolin, Silica	Monitor moderate to high levels of heparin (1-6 U/mL)

Sample

Sample Type	Fresh whole blood or for PT, citrated whole blood can be used
Results Displayed	Whole blood, plasma-equivalent seconds, Celite-equivalent seconds, or INR
Sample Fill Volume	50 µL
Sample Volume	15 µL
Analysis Time	0-1005 seconds

Analyzer

Dimensions (D x W x H)	3.5 x 7.5 x 2.0 inches (9 x 19 x 5 cm)
Weight	0.7 lbs (0.34 kg)
Incubation Temperature	37 ±1°C
Incubation Warm-up Time	30-90 seconds
Full-charge Operating Time	2-3 hours (minimum)
Battery Type/Life	Nickel Metal Hydride / 500 recharges
Operating Environment	15-30 °C
Serial Port	1 serial
Patient Data Storage	400 samples
QC Storage	400 samples



Worldwide Locations

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