

Rapid Whole Blood Hemostasis Testing in Acute Care Settings

Hemochron[®]
SIGNATURE ELITE



Acute Care Diagnostics

Standardizes Whole Blood Hemostasis testing at the point of care (POC)

- Regardless of sample type or clinical setting, provides fast, accurate and reproducible results for critical patient-management decisions
- Simple, single-use, cartridge-based technology measures fibrin clot formation
- Broad test menu: ACT+, ACT-LR, PT, Citrate PT, APTT, and Citrate APTT
- Connectivity features maximize efficiency and ensure compliance
- Gold standard for over 40 years



For the laboratory and across a range of POC settings

Operating Rooms

- Cardiac
- Vascular

Cardiac Catheterization Lab

Emergency Department

Intensive Care Units

Interventional Neuroradiology Suite

Anticoagulation Clinic

Dialysis Centers

Fast, accurate results for the Cardiovascular Operating Room and Cardiac Catheterization Lab

ACT+ (moderate-to-high heparin ranges)

- Results are dependent on actual fibrin clot formation, not thrombin generation
- Measures a fibrin clot faster than any other system with proprietary RapidCount technology
- Expedited time to result
- Accurately measures heparin effects (1–6 U/mL of blood)

ACT-LR (low heparin ranges)

- Sensitive to low doses of heparin (up to 2.5 U/mL of blood)
- Only low-range POC assay indicated for use during:
 - Extracorporeal Life Support (ECLS)
 - Percutaneous Coronary Intervention (PCI)
 - Vascular procedures
 - Neurointerventional procedures
 - Dialysis



Rapid Whole Blood Hemostasis testing for the Emergency Department

PT and APTT testing for faster patient management of suspected stroke

- Provides POC results to guide treatment
- Reports INR, plasma-equivalent seconds and whole-blood seconds, with an effective INR range of 0.8–10.0
- Whole blood and citrated APTT reports plasma-equivalent seconds



Facilitates compliance and connectivity, regardless of operator

Improves safety and security

- Integrated barcode scanner eliminates transcription errors, while providing an audit trail and traceability
- Scans cartridge and quality control (QC) lot information, patient identification (PID) and operator ID (OID)
- Improves the accuracy of patient identification with patient ID barcode scanner

Integrates data management/connectivity

- Direct connection to Ethernet
- POCT-1A compliant
- Connectivity to major information systems

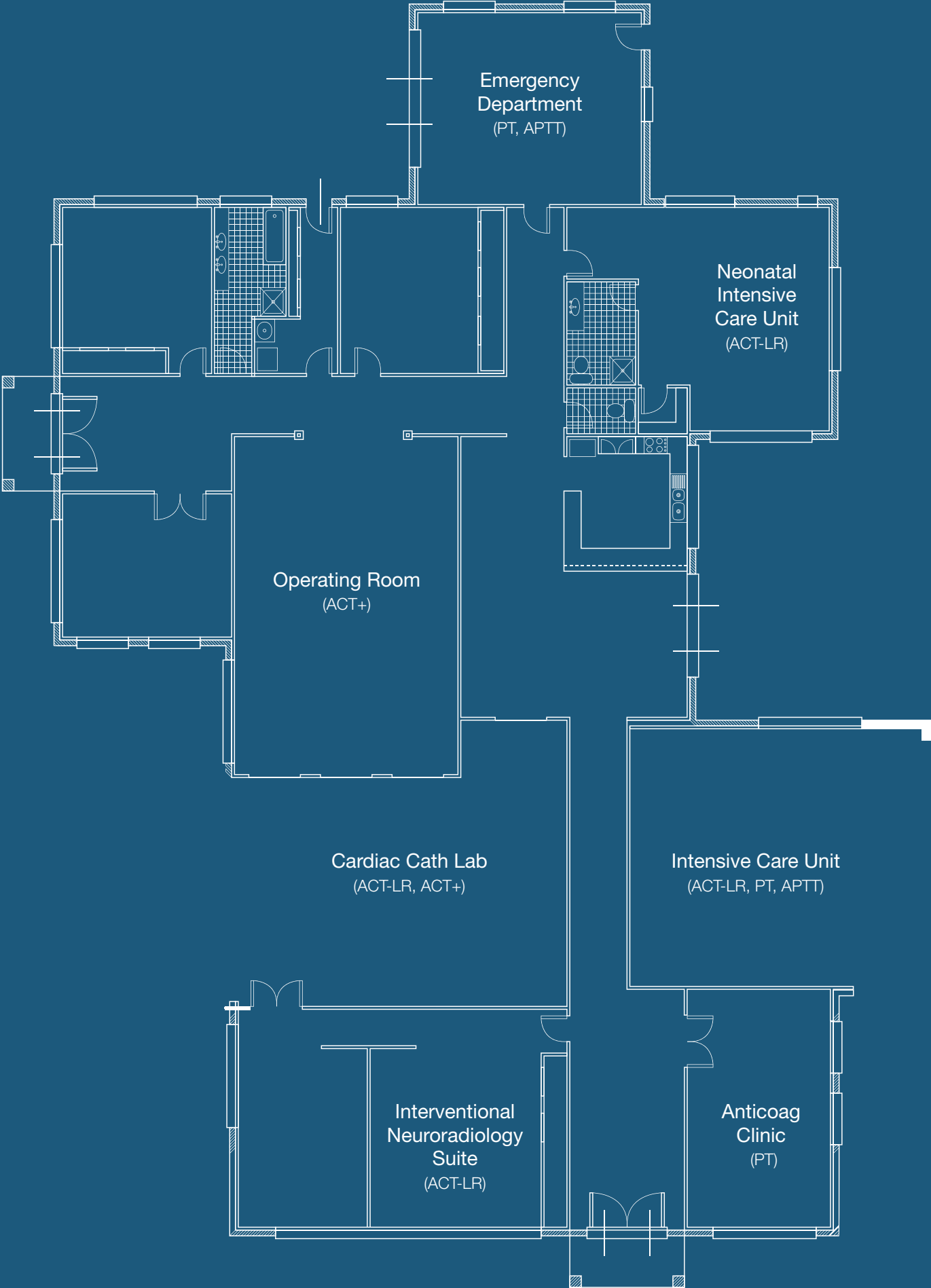
Enhances compliance

- Automatic internal electronic quality control (EQC)
- QC lockout, including cartridge and QC expiration
- Operator tracking and lockout, based on operator certification



Broadest test menu for rapid POC Hemostasis diagnosis and monitoring

Cartridge	Intended Use	Specimen	Reporting Unit
ACT+	Monitors moderate-to-high levels of heparin (1–6 U/mL). Unaffected by aprotinin, hypothermia and hemodilution.	Whole blood	Celite-equivalent seconds
ACT-LR	Monitors low-to-moderate levels of heparin (up to 2.5 U/mL of blood). Used in procedures such as cardiac catheterization, ECLS, and hemodialysis.	Whole blood	Celite-equivalent seconds
PT	Quantitative, one-stage Prothrombin Time.	Venous or fingerstick samples	INR, plasma-equivalent seconds and whole-blood seconds
Citrate PT	Quantitative, one-stage Prothrombin Time.	Citrated whole blood	INR, plasma-equivalent seconds and whole-blood seconds
APTT	Quantitative, one-stage APTT. For evaluation of low-dose heparin anticoagulation (up to 1.5 U/mL of blood).	Whole blood	Plasma-equivalent seconds and whole blood seconds
Citrate APTT	Quantitative, one-stage APTT. For evaluation of low-dose heparin anticoagulation (up to 1.5 U/mL of blood).	Citrated whole blood	Plasma-equivalent seconds and whole blood seconds



Description

Hemochron Signature Elite Whole Blood Microcoagulation System

Hemochron Signature Elite Whole Blood Microcoagulation System (International)

ACT+ test cartridge — Silica- and kaolin-based Activated Clotting Time test cartridge*

ACT-Low Range test cartridge — Celite-based Activated Clotting Time test cartridge*

PT test cartridge — Prothrombin Time test cartridge* (venous or fingerstick sampling)

Citrate PT test cartridge — Prothrombin Time test cartridge†

APTT test cartridge — Activated Partial Thromboplastin Time test cartridge*

Citrate APTT test cartridge — Activated Partial Thromboplastin Time test cartridge†

* For use with fresh whole blood | † For use with citrated whole blood

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