

HEMOCHRON JR SIGNATURE+



ABOUT

The **Hemochron Jr. Signature+** Whole Blood Microcoagulation System is a battery-operated, hand-held instrument that performs individual point-of-care coagulation tests on fresh or citrated whole blood. These tests include Activated Clotting Time (ACT+ and ACT-LR), Activated Partial Thromboplastin Time (APTT and APTT Citrate), and Prothrombin Time (PT and PT Citrate). The Hemochron Jr system is intended to be used for testing blood.

FEATURES

- The system is portable for bedside use
- Fresh whole blood or citrated whole blood can be used (assay dependent)
- Only one drop of blood is required
- Results are available in minutes
- Results are displayed appropriately as whole blood, plasma equivalent, Celite equivalent seconds, or INR
- Test type is automatically read from the cuvette
- Test results are automatically stamped with the date and time
- Results from 400 patient tests and 400 QC tests can be stored
- Stored results can be printed and/or downloaded to a personal computer
- Stored results can be searched by Patient ID
- Instrument self-checks are automatically performed
- Electronic Quality Control (EQC) cuvettes are used to check instrument operation at two levels
- A Temperature Verification cuvette can be additionally used to check test chamber temperature
- The display is illuminated for viewing in low light
- The user is alerted when the battery is low
- An optional printer can be connected
- The system can be customized using a personal computer and HEMOCHRON Configuration Manager software
- User Notes can be entered to add additional information to the test results
- Patient/QC test reports can be created using a personal computer and ITC data management software programs



SPECIFICATIONS



DIMENSIONS

Height: 2in (5 cm)

Width: 7in (19 cm)

Depth: 3.9in (10cm)

Weight: 1.74 lbs (1.24 kg)

PERFORMANCE

Test Precision: 10% C.V.

OPERATION

Test Chamber: 1

Timing Range: 0 seconds to 1005 seconds

Incubation Temperature: 37°C ± 1.0° C

Incubation: Warm-Up Time 30 Seconds to 90 Seconds

Full-Charge Operating Time: 2 to 3 hours (minimum)

Battery life 500 recharges

Battery Life: Nickel Metal Hydride

Throughput (Full Charge)

- 49 test cycles (at 150 sec per test)
- 17 test cycles (> 500 sec per test)

Operating Environment: 15°C to 30°C

POWER

USA

- Input: 120 VAC, 60Hz, 35 VA
- Output: 9.0 VDC, 1.38 Amps Maximum

Europe

- Input: 230VAC, 50 Hz, 30 VA
- Output: 9.0 VDC, 1.15 Amps maximum

Japan

- Input: 100 VAC, 50/60 Hz, 40 VA
- Output: 9.0 VDC, 1.15 Amps maximum