

# Heparin Management

with the Actalyke Activated Clotting Time



**HELENA**  
LABORATORIES

# Actalyke XL and Actalyke Mini II ACT Analyzers

**Accurate Activated Clotting Time (ACT) testing** is essential for monitoring heparin therapy during cardiac procedures. Actalyke instruments and reagent tubes provide the sensitivity, reliability and rapidity needed for timely treatment decisions at the point of care – in the catheterization lab or the surgical suite.

The **Actalyke XL** is a premier analyzer offering dual-well testing, excellent reproducibility and strong data handling features. The **Actalyke Mini-II** is the simplest, least expensive instrument available for activated clotting time testing, yet it retains high sensitivity with performance, linearity and CVs that parallel its slightly larger counterpart.

Both Actalyke instruments use a **2-point clot detection** mechanism, enabling clot detection at the early fibrin formation stage with less variation due to clot fragility. This provides greater precision, especially on highly heparinized and diluted samples.

## Actalyke XL

- Dual test wells
- 2-point clot detection
- QC functions with lockout option
- Three user security levels
- Demographic storage
- Data storage on disk
- Touch screen interface
- Optional bar code reader
- Fully compatible with all ACT tubes
- LIS Interface - Telcor, LDS, RALS

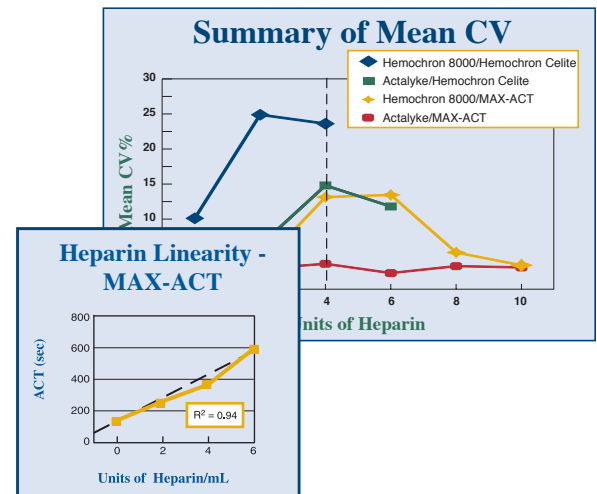
## Actalyke Mini-II

- Single test well
- 2-point clot detection
- Small 6-inch footprint
- Large, high visibility display
- Simple operation
- Optional battery pack
- Fully compatible with all ACT tubes



# Actalyke ACT Reagent Tubes

Helena offers a full line of ACT tubes, including traditional glass bead, kaolin, and celite, plus an ingenious MAX-ACT tube. The MAX-ACT tube is a blend of activators – kaolin, celite and glass beads – that works to maximize Factor XII activation thus ensuring an assay that measures the specific inhibition of thrombin by heparin and bypasses any potential patient sensitivity to a single activator. With an upper limit of linearity of 6 units of heparin per mL of blood, MAX-ACT is ideal for monitoring patients receiving moderate to high heparin dosages.



## Actalyke Reagent Tubes

Cat. No.	Item	Description
C-ACT	Celite® ACT Tubes (Black Flip Top) 50 tubes/box	C-ACT tubes contain a celite activator (diatomaceous earth) and can be used to monitor patients undergoing procedures requiring administration of moderate to high heparin concentrations.
K-ACT	Kaolin ACT Tubes (Yellow Flip Top) 50 tubes/box	Kaolin ACT tubes are useful in monitoring patients receiving moderate to high heparin concentrations in the presence of aprotinin.
G-ACT	Glass Bead ACT Tubes (White Flip Top) 50 tubes/box	The Glass Bead ACT is useful for monitoring patients undergoing procedures requiring low to moderate heparin dosages.
MAX-ACT	MAX-ACT Tubes (Gray Flip Top) 50 tubes/box	MAX-ACT contains multiple particulate activators - kaolin, celite and glass beads - to ensure maximal Factor XII activation and circumvent patient sensitivity to a single activator. MAX-ACT is ideal for monitoring moderate to high heparin dosing.

## Quality Control

**Control Kits** – Each QC kit delivers two levels of quality control: normal and high. Lyophilized controls provide quick reconstitution, convenient sizing and economical pricing. After reconstitution, controls are stable 1 hour at room temperature. Kit contents: 10x1 mL QC Level 1, 10x1 mL QC Level 2 (AQC-LP) or Level 3 (AQC-HP), 2x10 mL Calcium Chloride, and 2x10 mL Diluent.

Cat. No.	Item
AQC-HP	Level 1 and 3 Controls for MAX-ACT, C-ACT, K-ACT
AQC-LP	Level 1 and 2 Controls for G-ACT

**Electronic Clotting Tube** – The Electronic Clotting Tube simulates patient sample clots at three therapeutic heparin levels (100, 300 and 500 seconds) for daily quality control of all Actalyke instruments.

Cat. No.	Item
XL-ECT	Actalyke Electronic Clotting Tube



## Actalyke XL Specifications

**Tests:** Whole Blood Activated Clotting Time (ACT). Accepts Actalyke ACT Tubes with celite, kaolin, glass-bead activators; MAX-ACT Tubes with blended activators; all International Technidyne Hemochron® tubes

**Measurement Range:** 0-1500 seconds

**Incubation Temperature:** 36.5°- 37.5°C (97.7°- 99.5°F)

**Dimensions:** (W x H x L) 10.7 x 8.0 x 12.0" (27.2 x 20.3 x 30.5 cm)

**Display:** 3.2 x 4" (8.1 x 10.2 cm) Color LCD Touch Screen

**Weight (with printer):** 6.8 kg (15 lbs.)

**Line Voltage:** 47-63 Hz, 85-265 V A/C

**Battery:** Rechargeable

**Environment:** 15° to 30°C (59 to 86°F)

**Data Input:** LCD touch screen; Optional bar code reader for patient ID entry

**Data transfer capability:** 3.5" Diskette, RS232, RF Transmit, Printer

**CLIA Classification:** Moderately Complex

**CE Certified:** NCCLS-POCT 1-A Compliant

## Actalyke XL (Dual Well)

Cat. No.	Item
5770	Actalyke XL Analyzer, 110/220V
9133	Service Manual for Actalyke XL
1199	Replacement Agreement for XL Analyzer
5758	Actalyke XL Barcode Reader & Cable
5759	Actalyke XL Battery Pack
A-PPR	Actalyke Thermal Printer Paper (3 rolls)
XL-ECT	Actalyke Electronic Clotting Tube
5757	Actalyke Thermometer



## Actalyke MINI II Specifications

**Tests:** Whole Blood Activated Clotting Time (ACT). Accepts Actalyke ACT Tubes with celite, kaolin, glass-bead activators; MAX-ACT Tubes with blended activators; all International Technidyne Hemochron® tubes

**Measurement Range:** 0-1500 seconds

**Incubation Temperature:** 36.5°- 37.5°C (97.7°- 99.5°F)

**Dimensions:** (W x H x L) 6.1 x 4.8 x 6.3" (15.5 x 12.2 x 16.0 cm)

**Display:** 3.2" x 1" (8 x 2.54 cm)

**Weight (with printer):** 2.4 kg (5.3 lbs.)

**Line Voltage:** 47-63 Hz, 85-265 V A/C (Battery optional - DC)

**Environment:** 15° to 30°C (59° to 86°F)

**Data Transfer Capability:** Printer option available for hard copy

**CLIA Classification:** Non-waived

## Actalyke MINI II (Single Well)

Cat. No.	Item
5753	Actalyke MINI II Analyzer, 110/220V (w/printer)
5755	Actalyke MINI II Analyzer, 110/220V (without printer)
5763	Actalyke MINI II, 110/220V (with printer and battery)
5765	Actalyke MINI II, 110/220V (with battery)
1197	Comprehensive Replacement for Actalyke MINI II Analyzer
9134	Service Manual for Actalyke MINI II
5754	Actalyke MINI II Battery Pack
5757	Actalyke Thermometer
A-PPR	Actalyke Thermal Printer Paper (3 rolls)
XL-ECT	Actalyke Electronic Clotting Tube