

CASCADE
Abraço™



Coagulation Management with the
CASCADE ABRAZO SYSTEM*

HELENA
LABORATORIES

Cascade Abrazo Instrument and Docking Station

The **Cascade Abrazo** is a premier analyzer offering excellent reproducibility and strong data handling features. The card based tests require just a single drop of blood to provide prompt results using a sophisticated combination of electromagnet, photodetector and software algorithms.

The Cascade Abrazo meets all the requirements for Point of Care testing including user ID, patient ID, result storage, built in barcode scanner for error-free data handling backed up by easy-to-use electronic and biological QC.

Cascade Abrazo's accurate Activated Clotting Time (ACT) testing is essential for monitoring heparin therapy during cardiac procedures. Cascade Abrazo instruments and test cards 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 Cascade Abrazo also offers the opportunity to perform PT/INR and aPTT testing with the relevant test cards. Further coagulation tests are in development to make Cascade Abrazo the most comprehensive coagulation management system available.



Shown actual size

PT-WB

PT-WB cards are used for the determination of the Prothrombin Time using a whole blood sample.

Cat. No. 5720
50 tests/box

aPTT

aPTT cards are used for the determination of the activated partial thromboplastin time using a citrated whole blood sample.

Cat. No. 5722
50 tests/box

Cascade Abrazo Test Cards

Helena offers a range of test cards for ACT testing and other coagulation parameters.

Cascade Abrazo Highlights

- Card based tests
- Single drop of blood
- Touch screen interface
- Built-in bar code reader
- Built-in WiFi and USB
- Multiple user security levels
 - QC function with lockout options
 - Electronic QC
 - Multiple user interface levels
 - Administrators
 - Operators with lockout options
- Demographic storage
- Data storage on instrument
- Admin software available for remote instrument configuration
- Docking station available for instrument charging and communication link

Available Tests Include:

- High range ACT test for cardiac surgery
- Low range ACT test for cardiac cath lab and ECMO
- PT/INR and aPTT tests also available

PT-C

PT-C cards are used for the determination of the Prothrombin Time using a citrated whole blood sample.

Cat. No. 5721
50 tests/box

c-ACT

c-ACT cards contain a celite activator (diatomaceous earth) and can be used to monitor patients undergoing procedures requiring administration of moderate to high heparin concentrations.

Cat. No. 5724
50 tests/box

c-ACT-LR

c-ACT-LR cards contain a celite activator (diatomaceous earth) for monitoring patients undergoing procedures requiring administration of low to moderate heparin concentrations.

Cat. No. 5701
50 tests/box

The high range ACT test is a celite based test used in the presence of moderate to high levels of heparin typically encountered in cardiac surgery. The low range ACT test is also celite based and is indicated for lower levels of heparin typically encountered in the cardiac cath lab and ECMO. The PT test is ideal for warfarin therapy monitoring and aPTT is also useful for heparin monitoring as well as assessing other clotting abnormalities.

Quality Control

QC

Biological Control Kits

Each QC kit contains 10 vials of either level 1 or level 2 lyophilised control with built in liquid chamber for quick and easy point of use reconstitution.	Cat. No.	Item
	5737	Level 1 control for use with c-ACT assay
	5738	Level 2 control for use with c-ACT assay
	5727	Level 1 control for use with c-ACT-LR assay
	5728	Level 2 control for use with c-ACT-LR assay
	5739	Level 1 control for use with PT-WB assay
	5740	Level 2 control for use with PT-WB assay
	5741	Level 1 control for use with PT-C assay
	5742	Level 2 control for use with PT-C assay
	5743	Level 1 control for use with aPTT assay
5744	Level 2 control for use with aPTT assay	

EQC

Electronic QC Card

The Electronic QC card ensures that the electronic components of the Cascade Abrazo are working properly. The test checks instrument accuracy at 30, 90 and 270 seconds. Each cards lasts for up to 600 tests or 6 months from first use.

Cat. No.	Item
5848	Cascade Abrazo Electronic QC (EQC) Test Card



SPECS

Specifications

Tests: c-ACT Activated Clotting Time (fresh whole blood), c-ACT-LR Low Range Activated Clotting Time (fresh whole blood), PT-WB Prothrombin Time (fresh whole blood), PT-C Prothombin Time (citrated whole blood or plasma) , aPTT Activated Partial Thromboplastin Time (citrated whole blood or plasma)

Measurement Range:

- 70-850 seconds (c-ACT)
- 70-700 seconds (c-ACT-LR)
- 15-300 seconds (aPTT)
- 6-150 seconds (PT-WB)
- 6-150 seconds (PT-C)

Incubation Temperature:

36.7°- 37.3°C (98.1°- 99.1°F)

Dimensions: (W x H x L) 3.5 in x 3.4 in x 8.5 in (89 x 86 x 215 mm)

Display: 2.3 in x 2.9 in (55 mm x 72 mm)
Color LCD Touch Screen

Weight: 0.8 kg (1.65 lbs.)
Line Voltage: 100-240 V AC, 50-60 Hz,
25 Watts max, 5 AMP

Output: 5.0V DC

Internal Battery: 2 x rechargeable 3.7 V DC
3000 mAh

Operating Temperature: 15 to 32°C
(59 to 89.6°F)

Data Input: LCD touch screen; Built in bar code reader for test card, EQC card, control, patient ID and Operator ID entry

Data transfer capability: WiFi, USB via docking station. Built in result storage.

CLIA Classification: Moderately Complex

CE Certified: NCCLS-POCT 1-A Compliant

Analyser & Accessories

Cat. No.	Item
5710	Cascade Abrazo Analyser – Export (110-230 V)
5712	Cascade Abrazo Docking Station
5716	Cascade Abrazo Admin Software Export
5718	35 microlitre pipette
5848	Cascade Abrazo Electronic QC Card (EQC)



*Cascade Abrazo and assay not currently available in USA. FDA 510(k) not yet released.