

ACQMAP[®]

HIGH RESOLUTION IMAGING
+ MAPPING SYSTEM



NON-CONTACT AND CONTACT MAPPING FUNCTIONALITY

Map any rhythm — stable or unstable

CT QUALITY ANATOMIC RECONSTRUCTION

M-mode ultrasound acquisition¹ in non-contact mode

HIGHLY ACCURATE LOCALISATION AND NAVIGATION

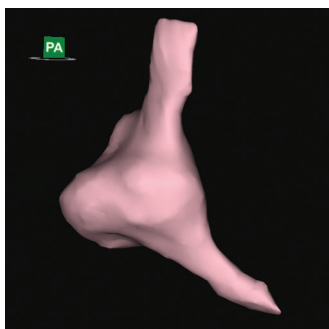
Visualise compatible diagnostic and therapeutic catheters

CHARGE DENSITY MAPPING

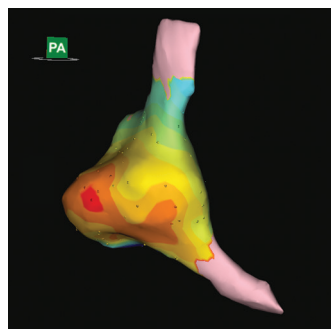
Four times higher resolution than voltage-based cardiac mapping¹

EASILY MAP AND RE-MAP

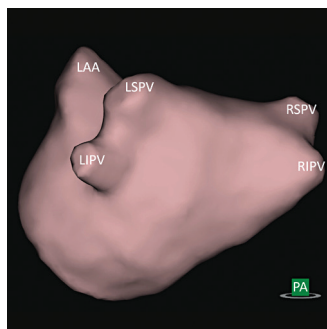
Reveals arrhythmic mechanisms to target pre- and post-ablation



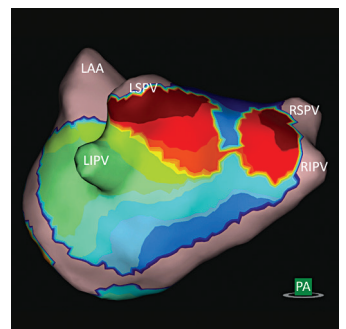
Contact right atrial anatomy



Contact map of CS pacing confirming isthmus block



Left atrial anatomy



Charge density map of unstable atrial arrhythmia

¹ Patrick Heck, MD, PhD, et al. NOVEL GLOBAL ULTRASOUND IMAGING AND CONTINUOUS DIPOLE DENSITY MAPPING: INITIAL FINDINGS IN AF PATIENTS, HRUK Meeting, October 2015

INDICATION FOR USE

The AcQMap System is intended for use in patients for whom electrophysiology procedures have been prescribed.

When used with the AcQMap Catheters, the AcQMap System is intended to be used in the right and/or left atria to visualise the selected chamber and display electrical impulses.

— AND —

When used with the specified Patient Electrodes, the AcQMap System is intended to display the position of AcQMap Catheters and conventional electrophysiology (EP) catheters in the heart.

— OR —

When used with conventional electrophysiology catheters, the AcQMap System provides information about the electrical activity of the heart and about catheter location during the procedure.

AcQMap Console Physical Characteristics

Dimensions (cm) 68 L x 48 W x 73 D

Weight, maximum 50 Kg

AcQMap Workstation Physical Characteristics

Dimensions (cm) 173 (max) H x 64 W x 92D

Weight, maximum 55 Kg

AcQMap Patient Interface Unit Physical Characteristics

Dimensions (cm) 24 H x 16 W x 12 D

Weight, maximum 2.6 Kg

AcQMap Ablation Interface Unit Physical Characteristics

Dimensions (cm) 24 H x 16 W x 12 D

Weight, maximum 1.4 Kg

Functional and Performance Characteristics

Ultrasound Output

Frequency: 10 MHz +/- 10kHz

Maximum Voltage: 50V p-p

Maximum Power: 1 W peak

Ultrasound Performance

Single operating mode

Thermal Index less than 1.0

Mechanical Index less than 1.0

Localization Output

Frequency: Variable 10 kHz to 100 kHz

Maximum current: < 5mA/cm²

ECG & EGM Input

Bandwidth: 0.1 Hz to 500 Hz

Resolution: +/- 10uV

Timing Accuracy: +/- 1.6 microsecond

ORDER NUMBER	DESCRIPTION
900000	AcQMap High Resolution Imaging and Mapping System

AcQMap System includes the following components:

ORDER NUMBER	DESCRIPTION	ORDER NUMBER	DESCRIPTION
800258	AcQMap Console	800255	AcQMap Workstation Cable
800254	AcQMap Workstation	800113	AcQMap Patient Interface Unit Cable
800229	AcQMap Patient Interface Unit (PIU)	800112	AcQMap Ablation Interface Unit Cable
800244-001	AcQMap Ablation Interface Unit (AIU)	800109	AcQMap Auxiliary Catheter Cable
800430	Abbott Ampere Adapter Cable — AcQMap → Ablation Catheter	800100	AcQMap Surface ECG Cable
800431	Abbott Ampere Cable — AcQMap → Abbott Ampere	210457-001	Uninterruptable Power Manager, 220V
		800289	Calibration Test Fixture

The AcQMap System can connect to:

GENERATOR	CABLE 1	CABLE 2	CABLE 3	CABLE 4
Stockert	Biosense Webster	N/A	N/A	Biosense Webster
SmartAblate	Biosense Webster	N/A	N/A	Biosense Webster
Abbott Ampere	Abbott	800431	800430	Abbott

For more information please contact your Acutus Medical representative:

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For further information regarding Acutus Medical and its products, please visit acutusmedical.com

The AcQMap System also requires use of the AcQMap Patient Electrode Kit for functionality (Order Number 800365-001) Prior to using these devices, please review the instructions for use for a complete listing of indications, contraindications, warnings, precautions, potential adverse events and directions for use. The AcQMap devices are CE marked.

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