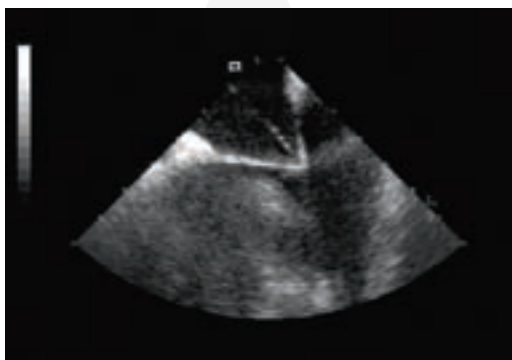


Intracardiac echocardiography for electrophysiology.
Putting the focus on safety.

Real-time visualization. For real-world safety.

At Biosense Webster, we're always focused on ideas that make a difference to EPs and their patients. That's why we've integrated the complementary strengths of the Siemens AcuNav™ ultrasound catheter family into our suite of advanced electrophysiology solutions. More than ever, we're putting a new dimension of confidence and safety close at hand.



Tenting of the membranous fossa ovalis during transseptal catheterization.



Thrombus formation on a catheter.



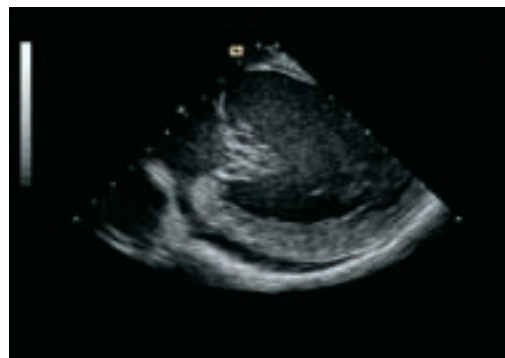
Color Doppler of the right inferior PV from the LA.

Bringing ICE technology to the EP lab.

With its powerful intracardiac echocardiography (ICE) technology, the AcuNav catheter provides real-time visualization of structural anatomy. By delivering precise information about catheter position and adjacent structures—and offering new insights into anatomical details—it helps physicians guide procedures with accuracy, avoid potential adverse events, and proceed with greater certainty in the diagnosis and treatment of arrhythmias.

Intuitive operation. Powerful abilities.

World-class imaging technologies. Exceptional ergonomics and control. Compatibility with Siemens ultrasound systems. Put it all together, and the AcuNav catheter offers unparalleled navigational versatility with access to all chambers of the heart. Moreover, its efficient operation can potentially shorten procedure time, and reduce fluoro exposure.



Long axis of LV with pericardial effusion.



The AcuNav catheter difference

- > Precise, real-time visualization of anatomic and physiologic detail.
- > Enhanced insight into proximal anatomy and potential hazards.
- > Increased confidence and certainty in diagnosis and therapy.
- > Doppler imaging of blood flow and velocity, and myocardial wall motion.
- > Four-way steering to 160°, for precise positioning and new views of the heart.
- > Modular system setup and operation, open to future EP Lab integration.

Accurate views of anatomy and potential hazards.

With its high-resolution 2-D gray-scale and Doppler modes, the AcuNav catheter can help physicians better understand structural orientation during transseptal puncture, visualize cardiac chamber borders to help prevent improper punctures, and verify tissue contact. It can also help distinguish—and avoid—clinical complications such as pericardial effusion, thrombus formation, and even device mispositioning.

AcuNav™ Ultrasound Catheter Specifications

CATALOG #	FRENCH SIZE	LENGTH
082 55 790	10	90 cm
082 67 996	8	110 cm

Imaging Specifications

Longitudinal side-fire imaging plane displays anatomy and devices in standard echocardiographic format
64-element Parallel Drive Phased Array imaging technology provides high resolution imaging in all modes

7 mm aperture

Vector™ wide-view imaging format for increased anatomic information

Sequoia™ system 2-D imaging frequencies: 10.0MHz, 8.5MHz, 7.5MHz, 5.5MHz

Cypress™ system image frequencies: 7.0MHz, 6.0MHz

CV70™ system 2-D imaging frequencies: 9.0MHz, 7.0MHz, 5.0MHz

Aspen™ system 2-D imaging frequencies: 8.5MHz, 7.0MHz, 5.0MHz

Advanced Imaging Modes on ACUSON Sequoia™ Ultrasound System

Color Doppler for visualization of blood flow direction and velocity.

Color Doppler imaging frequencies: 7.0MHz, 6.0MHz, 5.0MHz, 4.0MHz

Continuous Wave (CW) Doppler for quantification of flow.

CW Doppler imaging frequency: 5.0MHz

Pulsed Wave (PW) Doppler for targeted blood flow interrogation.

PW imaging frequencies: 5.0MHz, 4.0MHz

DTI™ Doppler Tissue Imaging capability to monitor regional myocardial wall motion

Advanced Imaging Modes on ACUSON Cypress™ Cardiovascular System

Color Doppler for visualization of blood flow direction and velocity.

Color Doppler imaging frequencies: 5.4MHz

Pulsed Wave (PW) Doppler for targeted blood flow interrogation.

PW imaging frequencies: 5.4MHz

Advanced Imaging Modes on ACUSON CV70™ Cardiovascular System*

Color Doppler for visualization of blood flow direction and velocity.

Color Doppler imaging frequencies: 5.2MHz

Continuous Wave (CW) Doppler for quantification of flow.

CW Doppler imaging frequency: 5.0MHz

Pulsed Wave (PW) Doppler for targeted blood flow interrogation.

PW imaging frequency: 5.2MHz

DTI Doppler Tissue Imaging capability to monitor regional myocardial wall motion

Advanced Imaging Modes on ACUSON Aspen™ Ultrasound System**

Color Doppler for visualization of blood flow direction and velocity.

Color Doppler imaging frequencies: 8.5MHz, 7.0MHz, 5.0MHz

Continuous Wave (CW) Doppler for quantification of flow.

CW Doppler imaging frequency: 5.0MHz

Pulsed Wave (PW) Doppler for targeted blood flow interrogation.

PW imaging frequency: 5.0MHz

DTI Doppler Tissue Imaging capability to monitor regional myocardial wall motion

Distributed by



Biosense Webster, Inc.

3333 Diamond Canyon Road
Diamond Bar, CA 91765, USA
Tel: 909-839-8500
Tel: 800-729-9010
Fax: 909-468-2905
www.biosensewebster.com

Biosense Webster

A Division of
Johnson & Johnson Medical NV/SA
Drève Richelle 161 Building H
B-1410 Waterloo, Belgium
Tel: 32-2-352-1411
Fax: 32-2-352-1492

Manufactured by



Siemens Medical Solutions USA, Inc.
Ultrasound Division Headquarters
1230 Shorebird Way
P.O. Box 7393
Mountain View, CA 94039-7393 USA
Tel: (1) 888-826-9702

* CV70™ system is compatible only with 8F model.

** Aspen™ system is compatible only with 10F model.

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