

## Vivid 4 & Vivid 3

### High performance transducers across a broad range of applications



3S Probe



5S Probe



7S Probe



10S Probe

Designed to address all your ultrasound needs, the Vivid 4 and Vivid 3 systems feature up to 18 transducers with a wide range of scanning modes that increase the systems' range of applications.

#### Cardiology

From the smallest of patients to adults, the Vivid 4 and Vivid 3 help you assess cardiac function and performance more effectively than ever before.

- Higher frame rates and a new color algorithm increase the system's Doppler sensitivity to deliver:
  - Improved display of peak flow velocities
  - Better delineation of chamber walls
  - Enhanced detection of small regurgitant jets and lower velocity flows
  - More uniform fill of blood pools
- Triplex and duplex display capabilities simplify Doppler acquisitions during cardiovascular examinations.

Ergonomically-designed probes broaden the ComfortScan family of phased array probes for adult and pediatric cardiac applications.

- 3S probe (1.5 – 3.6 MHz) produces leadership-quality images for adult cardiac and transcranial applications, even on difficult-to-image patients. Coded Octave Harmonics and Dual Focus ensure visualization of the LV endocardial border while retaining crisp valve structure.
- 5S probe (2.0 – 5.0 MHz) is designed for high-resolution adult echocardiography. It displays precisely near-field apical views, and is a superb probe for small adults.
- 7S probe (3.1 – 8.0 MHz) is ideal for pediatric echocardiography.

imagination at work





6T Probe



9T Probe



C358 Probe



C721 Probe



E721 Probe



10L Probe



7L Probe

- 10S probe (4.0 – 10.0 MHz) is a neonatal probe developed for infants weighing one kilogram or less. It is especially useful for viewing intracranial hemorrhages.
- 2D (P2D) is a non-imaging pencil probe (2.0 MHz) for obtaining CW Doppler spectrum.

## TEE

Lightweight, watertight transesophageal transducers are ergonomically designed and manufactured exclusively by GE. Motorized scan plane motion allows for accurate positioning.

- 6T multiplane transesophageal transducer (2.2 – 8.0 MHz) is designed for adult patients. The probe is easy to use and more comfortable to hold – even for users with the smallest of hands.
- 9T probe (4.0 – 10.0 MHz) is a new ergonomically-designed multiplane transesophageal pediatric probe.

## General Imaging

Scan a broad spectrum of patients with these high-sensitivity, multi-frequency transducers that employ the latest in signal matching and shielding technologies to effectively increase bandwidth, suppress noise and preserve signal integrity. ComfortScan features include effective cable management and ergonomic probe handles that reduce operator fatigue and improve productivity. Optional biopsy kits available for most transducers.

- C358 probe (2.0 – 5.7 MHz) is the probe of choice for abdominal scanning. Sensitive color Doppler enhances investigation of abdominal aorta and iliac arteries, as well as tissue visualization of the kidney, liver or fetus anatomy.
- New C721 probe (4.0 – 10.0 MHz) is designed for neonatal heads, yet is effective for vascular and pediatric abdominal scanning.
- E721 probe (4.0 – 10.0 MHz) for endovaginal scanning.

## Biopsy Attachments

- C358/3Cb/3C Multi-angle biopsy attachment kit by Civco® is designed for mounting on the C358 probe.
- LA39 biopsy attachment kit by Civco® is designed for mounting on the 10L and 12L probes.

## Vascular

The Vivid 4 and Vivid 3 address your need for deep-vessel and small-vessel diagnoses with probes and measurement packages that give you powerful diagnostic capabilities for all vascular applications.

- Enhanced color flow, with angio algorithms and a larger selection of maps, is specifically designed for acquiring extremely low velocity flows.
- High frame rates enhance performance in low-flow states.
- Transcranial Doppler application offers a noninvasive way to assess blood intracranially.
- Simultaneous Triplex and duplex display capabilities simplify Doppler acquisitions during cardiovascular examinations.
- 12L probe (5.0 – 13.3 MHz) is a high-frequency linear array transducer that is particularly useful in visualizing cystic lesions in small parts due to its enhanced spatial resolution.
- 10L (4.0 – 10.0 MHz) and 7L (3.6 – 10.0 MHz) transducers are designed to meet all your peripheral vascular needs, from superficial vessels to carotid scanning and lower extremities.
- 6D (P6D) non-imaging pencil probe (6.0 MHz) is for obtaining CW Doppler data in carotid, vascular and extremities applications.

## Intraoperative

Multiple probes and image-enhancing features strengthen the performance of the Vivid 4 and Vivid 3 in the operating room. These transducers can be sterilized or used with a sterile sheath.

- i8L (5.0 – 10.0 MHz) and i13L (5.0 – 13.3 MHz) high-frequency transducers for imaging, color flow and PW Doppler imaging. Can be used for epicardiac and epiaortic scanning. Valves and coronary flow can be visualized during open-heart surgery.
- i739 (4.0 – 10.0 MHz) and T739 (4.0 – 10.0 MHz) high-frequency transducers for imaging, color flow and PW Doppler imaging. Used for general intraoperative applications.



i8L Probe



i13L Probe



i739 Probe



T730 Probe

For more than 100 years, healthcare providers worldwide have relied on GE Medical Systems for medical technology, services and productivity solutions.

So no matter what challenges your healthcare system faces—you can always count on GE to help you deliver the highest quality healthcare.

For details, please contact your GE representative today.



## **GE Medical Systems** Ultrasound

General Electric Company reserves the right to make changes in specifications and features shown herein, or discontinue the product described at any time without notice or obligation. Contact your GE Representative for the most current information.

©2003 General Electric Company

03-XXXX 8/03 Printed in USA

Internet – [gemedical.com](http://gemedical.com)  
GE Medical Systems – Americas: Fax 262-544-3384  
P.O. Box 414, Milwaukee, Wisconsin 53201 U.S.A.  
GE Medical Systems – Europe: Fax 49-212-28-02-28  
Solingen, Germany  
GE Medical Systems – Asia:  
Tokyo, Japan – Fax: +81-425-85-5490  
Hong Kong – Fax: +852-2559-3588