

# Vivid 7 Vantage Release Broad Applications

**Premium performance  
to enhance echo lab capabilities**



M3S Probe\*



3S Probe



5S Probe



7S Probe

Designed to address all your cardiovascular ultrasound needs, the Vivid 7 goes even further with Vivid 7 Vantage release technology and migrates leadership general imaging performance from GE's LOGIQ 9 radiology system. The Vivid 7 Vantage release offers the full breadth of premium performance for cardiac, vascular, operating room and now, general imaging environments.

## Cardiology

The Vivid 7 Vantage release helps you assess cardiac function and performance more effectively than ever before.

- Ergonomically-designed M3S (1.5 – 4.0 MHz) and 3S (1.5 – 3.6 MHz) transducers produce leadership quality images for adult cardiac and transcranial applications, even on difficult-to-image patients. Coded Octave Harmonics ensure visualization of the LV endocardial border while retaining crisp valve structure.
- High frame rates, new color algorithms and angio maps on the Vivid 7 Vantage release increase Doppler sensitivity and deliver:
  - Improved display of peak flow velocities
  - Better delineation of chamber walls
  - Enhanced detection of small regurgitant jets and lower velocity flows
  - More uniform blood fill
  - Better coronary flow visualization
- Triplex and duplex display capabilities simplify Doppler acquisitions during cardiovascular examinations.

\*Not available on Vivid 7 Pro





10S Probe



6T Probe



9T Probe



M12L Probe\*



10L Probe



7L Probe



i8L Probe

An ergonomically redesigned 5S and 7S transducers broadens the ComfortScan family of phased arrays.

- 5S (2.2 – 5.0 MHz) probe is designed for high-resolution adult echocardiography. It precisely displays near-field apical views, and is a superb probe for easy-to-scan patients and teenagers.
- 7S (3.5 – 8.0 MHz) probe is ideal for pediatric echocardiography.
- 10S (4.4 – 10.0 MHz) is a neonatal probe developed for infants weighing one kilogram or less.

## TEE

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

- 6T (2.9 – 7.0 MHz) multiplane transesophageal transducer is designed for adult patients.
- 9T (4.0 – 10.0 MHz) is a new multiplane transesophageal pediatric probe.

## Vascular

The Vivid 7 Vantage release addresses 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.
- Improved M&A worksheets and reports are specifically tailored to each exam.
- Transcranial Doppler application offers a noninvasive way to assess blood intracranially.

- M12L (5.6 – 14.0 MHz) and 12L (5.2 – 13.0 MHz) High-frequency linear array transducers are particularly useful in visualizing cystic lesions in small parts with their enhanced spatial resolution.
- 10L (4.8 – 10.0 MHz) and 7L (3.3 – 8.0 MHz) transducers are designed to meet all your peripheral vascular needs, from superficial vessels to carotid scanning and lower extremities.

### Intraoperative

A new probe and image-enhancing features strengthen the Vivid 7 Vantage release's performance in the operating room. These transducers can be sterilized or used with a sterile sheath.

- New i8L (6.0 – 10.0 MHz) transducer and the i13L (10.0 – 14.0 MHz) probe with high-frequency imaging, color flow and Tissue Velocity Imaging can be used for epicardiac and epiaortic scanning. During open-heart surgery, valves and coronary flow can be visualized.

### General Imaging

New M7C and 8C transducers extend the reach of the Vivid 7 Vantage release to general imaging applications.

- 3.5C (2.4 – 4.5 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 or liver.
- New 8C (5.0 – 8.0 MHz) has been designed for neonatal heads, yet can also be used effectively for abdominal and vascular scanning.
- New M7C (5.0 – 7.0 MHz) and 5C (4.4 – 6.7 MHz) probes are used for high-frequency abdominal and vascular applications.
- E8C (5.0 – 8.0 MHz) completes Vivid 7 Vantage release's application coverage with endovaginal scanning.



i13L Probe



3.5C Probe



8C Probe



M7C Probe\*



5C Probe



E8C Probe

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

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## **GE Medical Systems** Ultrasound

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