



# Vivid™ E95

## Probe guide

Vivid E95 offers a broad range of probes to help achieve extraordinary images for cardiac, vascular, abdominal, pediatric, neonatal, fetal heart, obstetric, gynecologic, urological, transcranial small parts and rodent applications.



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## Probe guide

### Probe technology

The XDclear™ series of probes are designed to help deliver powerful and efficient sound waves, with high bandwidth and efficiency, XDclear probe technology provides impressive deep penetration and high sensitivity while maintaining high spatial resolution. The combination of Single Crystal, Acoustic Amplifier and Cool Stack technologies is the core technology of the XDclear series of probes.

### Incredible technology makes imaging incredibly easy.

The moment you put the probe on the patient, these highly advanced, ergonomically designed probes work with the cSound Architecture of the Vivid E95 to provide excellent image quality.



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## Probe Guide

**GE second generation in-transducer beam forming** increases bandwidth and second harmonic sensitivity to provide enhanced image resolution and angular sensitivity.

**Single Crystal Technology** uses new piezoelectric materials to increase bandwidth, offering enhanced signal-to-noise and enhanced axial resolution and penetration. **Matrix Array Technology** uses multiple rows of crystals to help achieve uniform resolution throughout the field of view.

**Advanced ergonomic design** features lightweight polymers and light, flexible cables for ease of movement. Probes are shaped for ergonomic grip so they fit the hand comfortably, with ridges for enhanced handling.



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# Sector



M5Sc-D†



6S-D



12S-D

Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
Cardiac, Pediatric Abdomen, Fetal Heart, Transcranial, Coronary, Stress, Contrast Low MI, LVO Stress, LVO Contrast†	XDclear Active Matrix Single Crystal Phased Array Transducer	18 X 27 mm	Multi-angle disposable with a reusable bracket	1.4–4.6 MHz	120°	30 cm
Pediatric, Cardiac, Coronary, Neonatal Head, Abdominal, Fetal Heart	Phased Array Transducer	17 X 23 mm		2.4–8.0 MHz	115°	16 cm
Pediatric, Cardiac, Coronary, Neonatal Head, Rodent	Phased Array Transducer	13 X 17 mm		4.0–12.0 MHz	105°	12 cm

† GE Healthcare's Vivid E95 is designed for compatibility with commercially available contrast agents. Because the availability of these agents is subject to government regulation and approval, product features intended for use with these agents may not be commercially marketed nor made available before the contrast agent is approved for use. Advanced contrast features are only enabled on systems for delivery in countries or regions where the agents are approved for use or for investigational or research use.



# Linear



9L-D†







11L-D

Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
Vascular, Musculoskeletal Conventional, Thyroid, Contrast†	Linear Array Transducer	14 X 53 mm	Multi-angle disposable with a reusable bracket	2.4–10.0 MHz	45 mm	12 cm
Vascular, Breast, Small Parts, Musculoskeletal Conventional, Thyroid, Scrotal, Rodent	Linear Array Transducer	12 X 47 mm	Multi-angle disposable with a reusable bracket	4.5–12.0 MHz	39 mm	8 cm

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# Convex

	Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
 C1-6-D <sup>†</sup>	Abdomen, OB/GYN, Urology, Vascular, Fetal Heart, Contrast <sup>†</sup>	XDclear Curved Array Transducer	17 X 70 mm	Multi-angle disposable with a reusable bracket	1.5–6.0 MHz	70°	50 cm
 C2-9-D	Abdomen, OB/GYN, Urology, Fetal Heart	XDclear Curved Array Transducer	16 X 52 mm	Multi-angle disposable with a reusable bracket	2.3–8.4 MHz	65°	30 cm
 8C	Abdomen, Vascular, Neonatal Head	Tightly Curved Array Transducer	12 X 22 mm		4.0–8.0 MHz	128°	30 cm
 iC5-9-D	OB/GYN, Urology, Fetal Heart	Tightly Curved Array Transducer	13 X 24 mm	Single-angle disposable bracket	3.3–8.6 MHz	128°	30 cm

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# Doppler



Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
Cardiac	Pencil Transducer			2.0 MHz		
Vascular	Pencil Transducer			6.3 MHz		

# Volume



4V-D

Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
Cardiac, LVO Contrast, Stress, Fetal Heart, Coronary, LVO Stress, Contrast Low MI	Active Matrix 4D Volume Phased Array Transducer	21 X 24 mm		1.5–4.0 MHz	90°	30 cm



# Transesophageal‡



Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
Cardiac, LVO Contrast, Coronary	Active Matrix 4D Volume TEE Transducer	Tip 14.3 X 12.7 mm Length 44.8 mm		3.0–8.0 MHz	90°	20 cm
Cardiac, Coronary	TEE Transducer	Tip 12 X 14 mm Length 45 mm		3.0–8.0 MHz	90°	20 cm
Pediatric	TEE Transducer	Tip 10.9 X 8.4 mm Length 35.2 mm		3.0–10.0 MHz	90°	14 cm

‡ 6Tc-RS, 9T-RS are supported via RS transducer adapter.

# Intraoperative



L8-18i-D

Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
Cardiac, Rodent, Vascular, Small Parts, Musculoskeletal Conventional	Linear IO Transducer	4 X 25 mm		5.0–15.0 MHz	25 mm	12 cm