

GE Healthcare

Transducer Guide

VIVID Series





VIVID E9 Series

Introducing Vivid™ E9 D-Series transducers. You now have the power to acquire extraordinary images on every patient, with transducer technology that maximizes penetration without

sacrificing resolution. Our complete selection of transducers enables you to do the things you've never imagined ultrasound could do.

VIVID E9

Sector	Transducer	Code	Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
		M5S-D	Cardiac, Pediatric, Abdomen, Fetal Heart, Transcranial, Coronary, Stress, LVO Contrast	Active Matrix Single Crystal Phased Array Probe	17 X 28 mm		1.5–4.5 MHz	120°	30 cm
		6S-D	Pediatric, Cardiac, Coronary, Neonatal head, Abdominal, Fetal Heart	Phased Array Probe	15 X 22 mm		2.7–8.0 MHz	115°	16 cm
		12S-D	Pediatric, Cardiac, Coronary, Neonatal head, Abdominal, Rodents	Phased Array Probe	15 X 12 mm		4.0–12.0 MHz	115°	16 cm

Transducer	Code	Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
	4C-D	Abdomen, OB/GYN, Urology, Vascular	Curved Array Probe	18 X 62 mm	Multi-angle disposable with a reusable bracket	1.6–6.0 MHz	58°	30 cm
	P2D	Cardiac	Pencil Probe			2.0 MHz		
	P6D	Vascular	Pencil Probe			6.3 MHz		

Convex

Doppler

	Transducer	Code	Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
Linear		9L-D*	Vascular, Musculoskeletal, Thyroid, Contrast*	Linear Array Probe	14 X 53 mm	Multi-angle disposable with a reusable bracket	2.4–10.0 MHz	45 mm	12 cm
		11L-D	Vascular, Breast, Small Parts, Musculoskeletal, Thyroid	Linear Array Probe	12 X 47 mm	Multi-angle disposable with a reusable bracket	5.0–12.0 MHz	39 mm	8 cm
		ML6-15-D	Vascular, Breast, Small Parts, Musculoskeletal, Thyroid, Scrotal	Linear array Probe	13 X 58 mm	Multi-angle disposable with a reusable bracket	4.5–15.0 MHz	50 mm	8 cm

* GE Healthcare's Vivid E9 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.

Transducer	Code	Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field	
	4V-D	Cardiac, LVO Contrast, Stress, Fetal Heart	Active Matrix 4D Volume Phased Array Probe	21 X 24 mm		1.5–4.0 MHz	90°	30 cm	Volume
	6Tc	Cardiac	TEE probe	Tip 12 X 14 mm Length 45 mm		3.0–8.0 MHz	90°	20 cm	Intraoperative**

**6Tc-RS, 6T-RS, 9T-RS, i13L are supported via probe adapter

Transducer	Code	Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
	9T	Pediatric	TEE Probe	Tip 10.9 X 8.4 mm Length 35.2 mm		3.0–10.0 MHz	90°	8 cm
	i13L	Cardiac, Rodents	Linear IO probe	28 X 10 mm		5.9–14.1 MHz	20 mm	6 cm

Vivid S5 and S6 cardiovascular ultrasound

Comprehensive cardiovascular scanning.

Vivid[†] S5 and S6 feature a wide range of applications that help increase the system's versatility. The system's probes feature a ComfortScan design and the miniaturized RS connector, with ergonomics that help maximize ease of use and patient comfort. A lightweight transducer cable minimizes strain for the user, facilitating transducer placement.



VIVID S5 & S6

Sector	Transducer	Code	Cat #	Main Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
		3S-RS**	H4000PD	Adult Cardiac, Abdomen	Phased Array	19 x 27 mm	Multi-angle disposable, with a reuseable bracket	1.5 - 3.6 MHz	90°	30 cm
		M4S-RS*	H40452LH	Adult Cardiac, Abdomen	Phased Array	20 x 28 mm	Multi-angle disposable, with a reuseable bracket	1.5 - 3.6 MHz	90°	30 cm
		5S-RS	H4000PC	Pediatric Cardiac	Phased Array	19 x 27 mm		2.0 - 5.0 MHz	90°	30 cm

Transducer	Code	Cat #	Main Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
	6S-RS	H45021RP	Pediatric Cardiac	Phased Array	17 x 23 mm		2.7 - 8.0 MHz	90°	16 cm
	7S-RS	H4000PE	Pediatric Cardiac	Phased Array	17 x 24 mm		3.5 - 8.0 MHz	90°	16 cm
	10S-RS	H4000PF	Pediatric Cardiac	Phased Array	10 x 14 mm		4.5 - 11.5 MHz	90°	12 cm

	Transducer	Code	Cat #	Main Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
Transesophageal		6Tc-RS	H45551ZE	Adult Cardiac	Multi-plane Phased Array TEE	12 x 14 mm with length of 45 mm		2.9 - 8.0 MHz	90°	20 cm
		6Tc*	H45551ZD	Adult Cardiac	Multi-plane Phased Array TEE	12 x 14 mm with length of 45 mm		2.9 - 8.0 MHz	90°	20 cm
		9T-RS	H45531YM	Pediatric Cardiac	Multi-plane Phased Array TEE	7.5 x 10.7 mm with length of 37.5 mm		4.0 - 10.0 MHz	90°	14 cm
		9T*	H45521DY	Pediatric Cardiac	Multi-plane Phased Array TEE	7.5 x 10.7 mm with length of 37.5 mm		4.0 - 10.0 MHz	90°	14 cm

Transducer	Code	Cat #	Main Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
	8L-RS	H40402LT	Vascular, Small Parts, Thyroid	Linear Array	14 x 48 mm	Multi-angle disposable, with a reuseable bracket	4.0 - 13.0 MHz	38 mm	10 cm
	9L-RS	H40442LL	Vascular, Small Parts, Thyroid	Linear Array	14 x 53 mm	Multi-angle disposable, with a reuseable bracket	3.5 - 10.0 MHz	44 mm	12 cm
	12L-RS	H40402LY	Vascular, Small Parts, Thyroid	Linear Array	14 x 47 mm	Multi-angle disposable, with a reuseable bracket	6.0 - 13.0 MHz	38 mm	10 cm

Linear

	Transducer	Code	Cat #	Main Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
Convex		4C-RS	H4000SR	Abdomen, Ob/Gyn	Curved Array	17 x 65 mm	Multi-angle disposable, with a reuseable bracket	1.8 - 6.0 MHz	58°	30 cm
		8C-RS	H40402LS	Pediatric Abdominal, Neonatal Head	Curved Array	12 x 21 mm		4.0 - 11.0 MHz	128°	14 cm
Doppler		P2D	H4830JE	Cardiac	Pencil Probe	16 mm		2.0 MHz	N/A	N/A

Transducer	Code	Cat #	Main Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
	P6D	H4830JG	Vascular	Pencil Probe	8 mm	Multi-angle disposable, with a reuseable bracket	6.0 MHz	N/A	N/A
	E8C-RS	H40402LN	Obstetrics, Gynecology	Curved Array	23 x 23 mm	Single-angle disposable	4.0 - 11.0 MHz	128°	14 cm
	i12L-RS	H40402LW	Intra Operative (Non Cardiac), Vascular, Small Parts	Linear Array	14 x 33 mm		5.0 - 13.0 MHz	25 mm	6 cm

Special



Vivid *i* and Vivid *q* cardiovascular ultrasound

Comprehensive cardiovascular scanning.

The Vivid *i* and Vivid *q* feature a wide range of applications that help increase each system's versatility. Each system's transducers feature a ComfortScan design and the miniaturized RS connector, with ergonomics that help maximize ease of use and patient comfort. A lightweight transducer cable minimizes strain for the user, facilitating transducer placement.

VIVID *i* & *q*

	Transducer	Code	Cat #	Main Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
Sector		3S-RS**	H4000PD	Adult Cardiac, Abdomen	Phased Array	19 x 27 mm	Multi-angle, disposable, with a reusable bracket	1.5 - 3.6 MHz	90°	30 cm
		M4S-RS*	H40452LH	Adult Cardiac, Abdomen	Phased Array	20 x 28 mm	Multi-angle, disposable, with a reusable bracket	1.5 - 3.6 MHz	90°	30 cm
		5S-RS	H4000PC	Pediatric Cardiac	Phased Array	19 x 27 mm		2.0 - 5.0 MHz	90°	30 cm
		6S-RS	H45021RP	Pediatric Cardiac, Neonatal Head	Phased Array	17 x 23 mm		2.7 - 8.0 MHz	90°	16 cm

Transducer	Code	Cat #	Main Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
	7S-RS	H4000PE	Pediatric Cardiac, Neonatal Head	Phased Array	17 x 24 mm		3.5 - 8.0 MHz	90°	16 cm
	10S-RS	H4000PF	Pediatric Cardiac, Neonatal Head	Phased Array	10 x 14 mm		4.5 - 11.5 MHz	90°	12 cm
	6Tc-RS	H45551ZE	Adult Cardiac	Multi-plane Phased Array TEE	12 x 14 mm with length of 45 mm		2.9 - 8.0 MHz	90°	20 cm
	9T-RS	H45531YM	Pediatric Cardiac	Multi-plane Phased Array TEE	7.5 x 10.7 mm with length of 37.5 mm		4.0 - 10.0 MHz	90°	14 cm

	Transducer	Code	Cat #	Main Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
Linear		8L-RS	H40402LT	Vascular, Small Parts, Thyroid	Linear Array	14 x 48 mm	Multi-angle, disposable, with a reusable bracket	4.0 - 13.0 MHz	38 mm	10 cm
		9L-RS	H40442LL	Vascular, Small Parts, Thyroid	Linear Array	14 x 53 mm	Multi-angle, disposable, with a reusable bracket	3.5 - 10.0 MHz	44 mm	12 cm
		12L-RS	H40402LY	Vascular, Small Parts, Thyroid	Linear Array	14 x 47 mm	Multi-angle, disposable, with a reusable bracket	6.0 - 13.0 MHz	38 mm	10 cm

Transducer	Code	Cat #	Main Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
	AcuNav8	†	Intracardiac	Catheter	8 Fr diameter		4.5 - 11.5 MHz	90°	16 cm
	AcuNav10	†	Intracardiac	Catheter	10 Fr diameter		4.5 - 11.5 MHz	90°	16 cm
	Sound Star10	†	Intracardiac	Catheter	10 Fr diameter		4.5 - 11.5 MHz	90°	16 cm

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† Distributed by Biosense Webster Inc.

	Transducer	Code	Cat #	Main Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
Convex		4C-RS	H4000SR	Abdomen, Ob/Gyn	Curved Array	17 x 65 mm	Multi-angle disposable, with a reusable bracket	1.8 - 6.0 MHz	58°	30 cm
		8C-RS		Pediatric Abdomen, Neonatal Head	Curved Array	12 x 21 mm		4.0 - 11.0 MHz	128°	14 cm
Doppler		P2D	H4830JE	Cardiac	Pencil	16 mm		2.0 MHz	N/A	N/A

Transducer	Code	Cat #	Main Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
	P6D	H4830JG	Vascular	Pencil	8 mm		6.0 MHz	N/A	N/A
	E8C-RS	H40402LN	Obstetrics, Gynecology	Curved Array	23 x 23 mm	Single-angle disposable	4.0 - 11.0 MHz	128°	14 cm
	i12L-RS	H40402LW	Intra Operative (non cardiac), Vascular, Small Parts	Linear Array	14 x 33 mm		5.0 - 13.0 MHz	25 mm	6 cm

Special

	3S-RS**	M4S-RS*	5S-RS	6S-RS	7S-RS	10S-RS	6Tc-RS	6Tc*	9T-RS	9T*	8L-RS	9L-RS	12L-RS	4C-RS	8C-RS	P2D	P6D	E8C-RS	i12L-RS
2D																			
Harmonics††																			
Color																			
M-Mode																			
PW Doppler																			
CW Doppler																			
TVI/TT***																			

* Only Vq. ** Only Vi. ***SI/SRI and TSI are also available, but only on the Vivid q.

††Harmonic imaging for supporting contrast agent imaging was developed by Schering™.

	3S-RS**	M4S-RS*	5S-RS	6S-RS	7S-RS	10S-RS	6Tc-RS	6Tc*	9T-RS	9T*	8L-RS	9L-RS	12L-RS	4C-RS	8C-RS	P2D	P6D	E8C-RS	i12L-RS
Abdominal																			
Abdominal Pediatric																			
Aorto-Iliac																			
Breast																			
Cardiac																			
Carotid																			
Coronary																			
Exercise (Stress)																			
Fetal Heart																			
HFR (High Frame rate)																			

* Only Vq. ** Only Vi.

Note: Some applications depend on the availability of certain options.

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GE imagination at work