

REQUESTING SERVICE: SPECIALTY CARE SERVICE(SPECIALTY) P.O. NO. 459-B80003

DEL. TO: CARDIOLOGY

SHIP TO: AIPA WAREHOUSE B80003

V.A. Medical Center  
3375 KOAPAKA STREET  
STE D155  
HONOLULU, HI 96819

Item No.	QTY	DESCRIPTION
1	1	<p>Vivid* E95 4D Leadership Console Package</p> <p>The Vivid* E95 combines the proven breadth and performance of the Vivid product line with a new and innovative software based image processing platform: cSound*. The Vivid E95 is GE cardiovascular ultrasound's leadership scanner.</p> <p>The system is designed to excel in adult 2D and 4D cardiac imaging, as well as in the following clinical application areas: pediatric cardiac, fetal, obstetrics, abdominal (incl. renal, GYN, Pelvic), pediatrics, small organ (incl. breasts, testes and thyroid), adult and neonatal cephalic, peripheral vascular, musculoskeletal conventional, urology, prostate, transesophageal, transrectal, transvaginal and intraoperative (incl. vascular, thoracic, cardiac and abdominal).</p> <p>The Vivid E95 4D Leadership Console Package is delivered with:</p> <p>The Vivid E95 4D Leadership console</p> <p>A 22 inch high resolution wide screen OLED monitor for excellent spatial and dynamic resolution.</p> <p>The USA language kit.</p> <p>3 (three) days of on-site applications training</p> <p>System Architecture</p> <p>GE's exclusive, programmable and flexible beamforming technology, cSound, provides exceptional image quality and power compared to conventional GE hardware-based beamforming technology. In 2D, cSound offers true confocal imaging without the limitation of focal zones or sacrifice of frame rate and spatial resolution. In 4D, cSound delivers high spatial resolution at large volume sizes in full volume single beat and multi beat 4D acquisition. Using both coherent and harmonic image processing, the system provides computational power, ease of imaging, workflow flexibility and product upgradeability. The Vivid E95 is designed to excel in the following areas:</p> <p>Exceptional image quality is created through the use of True Confocal Imaging. True Confocal Imaging is enabled by the cSound platform taking advantage of advanced software-based image reconstruction and innovative graphics computer technology. The Vivid E95 combines Ultra Definition</p>

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		<p>Clarity filtering, HD Imaging (excellent resolution, penetration and image uniformity), Adaptive Contrast Enhancement (ACE) and virtual apex (larger field of view) to deliver a new level of image quality in GE cardiovascular ultrasound.</p> <p>Probe technology</p> <p>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.</p> <p>Ease of Use features make Vivid E95 a productive 4D and 2D cardiovascular ultrasound system. Ease of use in 4D imaging is accomplished with a number of GEHC exclusive innovations, including Single Beat 4D, 4D Views, Advanced 4D User Toolbox, Advanced 4D User Quantification Package, 4D Stress Echo, 4D Auto LVQ including 4D Strain and 4D Auto AVQ.</p> <p>Ease of use for the operator in 2D imaging is provided by the cSound technology delivering auto optimized excellent image quality with minimal manipulation along with automated tools like 2D Auto EF, AFI Productivity Package, AFI Stress and Scan Assist Pro.</p> <p>Ergonomic features include a highly portable design with electronically adjustable height and keyboard, articulating monitor arm (horizontal and vertical), and lightweight transducers combining to make the Vivid E95 an ergonomic-friendly cardiovascular ultrasound system.</p> <p>The cSound platform takes GE's Raw Data to a new level. For image processing and reconstruction, the Vivid E95 utilizes more than 100 times the data compared to its predecessor.</p> <p>Additionally, the Vivid E95 uses an innovative data format technology that allows for advanced processing on archived images by applying many of the same scan controls and advanced quantitative tools as are available during the original exam.</p> <p>The following standard configuration items are included in the Vivid E95 4D Leadership Console Package:</p> <p>Vivid E95 4D Leadership Console</p>

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		22 inch wide screen OLED monitor USA language Kit 3 (three) days of on-site application training (see additional description below) 4D single, dual, multi beat-Flexi-Volumes Biplane Triplane 5-slice, 7-slice, 9-slice, 12-slice 4D Color Depth Color Render with multiple maps Stereo Vision Easy 4D (Auto LVQ, 4D Views, 4D Stress) Advanced 4D User Package - Auto Align, Measure on Render, Dynamic Crop/ - Dynamic 9-slice, Live 9-slice 4D workflow package: - QuickRotate, 2-Click Crop, FlexiSlice, Laser Lines, Biplane Prepare, FlexiZoom Scan Assist (4D stress, 2D stress, CRT protocols) Scan Assist Pro (protocol driven exams) UD Clarity 4D Clarity HD Imaging CPI AMM, Curved AMM TVI, Tissue Tracking Auto Optimization (2D) ASO Compound True Confocal Imaging Virtual apex imaging Adaptive Contrast Enhancement (ACE) Extended Field of View (LOGIQView)

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		<p>Q-Analysis: Qstress, QTVI, QContrast</p> <p>Advanced Vascular (BTI, BFI, Speckle Reduce)</p> <p>eVUE, MPegVue</p> <p>Z Scores for pediatrics</p> <p>DICOM** Media (embedded viewer requires optional purchase)</p> <p>DICOM SR (Cardiac, Vascular)</p> <p>Heart Failure Report</p> <p>DICOM Connectivity Package (Modality Worklist, Print, Storage)</p> <p>EchoPAC*, Patient Archive</p> <p>- Report Designer, Statement Engine, Normal Values, E-Sign-off, Communication</p> <p>Configurable prospective, retrospective capture</p> <p>LVO Contrast</p> <p>Applications Training: (included with the Vivid* E95 4D Leadership Console Package):</p> <p>The Vivid* E95 4D Leadership Console Package includes three (3) days of On-site Applications Training. The On-site Applications Training must be completed within six (6) months after Product delivery, otherwise GE Healthcare's obligation to provide the training will expire without refund. Additional On-site Applications Training days are available for purchase. Customer workflow permitting and abiding by SDMS criteria, sonographer install CE's may be provided during install training.</p> <p>The following options can be purchased for the Vivid* E95 4D Leadership Console Package</p> <p>Additional On-Site Application Training days</p> <p>Vascular Contrast (optional purchase)</p> <p>PolarVision, Polarized Stereo Vision for use with Sony*** 3D monitor (optional purchase)</p> <p>Stress (optional purchase)</p> <p>AFI Productivity Package (AFI, Triplane AFI, AFI with TEE, Peak Strain Dispersion) (optional purchase)</p> <p>2D Auto EF (optional purchase)</p> <p>IMT (optional purchase)</p>

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		<p>Rodent (optional purchase)</p> <p>LV Mass Only (optional purchase)</p> <p>4D Strain and LV Mass (optional purchase)</p> <p>Advanced QScan (optional purchase)</p> <p>MV Assessment (Tomtec***) (optional purchase)</p> <p>4V Enable (optional purchase)</p> <p>4D Auto AVQ for aortic annulus quantification (optional purchase)</p> <p>HDlive* for photo realistic visualization (optional purchase)</p> <p>AFI Stress (optional purchase)</p> <p>RV Volume (Tomtec) (optional purchase)</p> <p>Embedded DICOM viewer on media (optional purchase)</p> <p>DVD, CD-R drive (optional purchase)</p> <p>*Vivid, XDclear, cSound, HDlive and EchoPAC are trademarks of General Electric Company or one of its subsidiaries</p> <p>**DICOM is the registered trademark of the National Electrical Manufacturers Association for its standards publications relating to digital communications of medical information.</p> <p>***Third party trademarks are the property of their respective owners</p> <p>Sony is the registered trademark of Sony Corporation.</p> <p>TomTec is the registered trademark of TomTec Imaging Systems</p>
2	1	<p>Vivid E90, E95 DVD Option</p> <p>The Vivid E95, E90 DVD option kit includes the DVD drive (hardware) for installation on the Vivid E90, E95.</p>
3	1	<p>M5Sc-D XDclear* Transducer</p> <p>XDclear is GE's highest performing transducer technology which is an innovative combination of advanced materials and innovative acoustic design. This phased array cardiac transducer merges matrix array with XDclear technology and provides ultra-wide bandwidth and superb image quality. Preferred applications may vary depending on the scanner running the probe, and may include cardiac, pediatrics, fetal heart, abdominal, coronary, transcranial, contrast, stress echo. Biopsy kit available.</p>

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		<p>*Trademark of General Electric Company</p> <p>Third party trademarks are the property of their respective owners</p>
4	1	<p>P2D 2 MHz CW Pencil Probe</p> <p>2MHz non-imaging pencil probe for CW Doppler examinations of cardiac flow. Non-imaging. Requires CW option.</p>
5	1	<p>AFI Productivity Package</p> <p>Includes Automated Function Imaging, AFI for TEE, and Triplane AFI if the 4D option or system is also purchased.</p>
6		<p>Smart Stress</p> <p>Smart Stress is a flexible stress package. The advanced and flexible stress echo examination capabilities provide exercise and pharmacological protocol templates. The template editor allows user-configuration of existing or creation of new templates. During acquisition a reference scan is available for stress level comparison (dual screen). EchoStress includes the option for Digital Continuous Capturing of raw image data. Postprocessing tools include wall motion scoring.</p> <p>In combination with Q Analysis (other option) this module enables QTVI Stress for quantification. QTVI Stress is based on parallel raw data acquisition of greyscale 2D and seamless tissue velocity information for further quantitative stress analysis. 3 analysis levels are provided. Uncompromised 2D enhanced by Coded Octave Tissue Imaging and Dual Focus Technology allows maximum control by sonographer of image data acquisition. Tissue Tracking (separate option) enables visualization of the heart contraction at peak level by color coding the displacement in the myocardium. Vpeak measurement enables the display of a tissue velocity trace for a selected region of a previously scored segment through the entire heart cycle. And finally, a comprehensive quantitative analysis pack gives the opportunity to further detailed information based on multiple tissue velocity traces.</p>
7	1	<p>2D Auto EF</p>

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		Automated EF measurement tool based on the 2D-speckle tracking algorithm. Calculation according to the Simpson algorithm. Integrated into the M&A package with worksheet summary.
8	1	<p>High Definition 4D visualization</p> <p>The HDlive* option provides enhanced visualization of 3D cardiovascular anatomy through use of advanced shadowing, reflection and shading algorithms in combination with advanced depth rendering techniques. HDlive operates during live acquisition and replay modes with selectable color maps.</p> <p>*HDLive is a trademark of General Electric Company or one of its subsidiaries.</p>
9	1	<p>Multi-Link 3/5-lead ECG Care cable, AHA, 3.6 m</p> <p>Multi-Link 3/5-lead ECG Care cable, AHA, 3.6 m Used together with H45571PZ ECG lead set, adult, AHA.</p> <p>Note: Included with the console order. This cable can also be utilized for neonatal use together with adapter H45571RL and neonatal leads H45571RJ.</p>
10	1	<p>Multi-Link 3-leadwire set IEC, 74cm, grouped, grabber, AHA, 3/set</p> <p>Multi-Link 3-leadwire set IEC, 74cm, grouped, grabber, AHA, 3/set.</p> <p>Used together with H45571PY ECG cable, adult, AHA. Note: Included with the console order.</p>
11	1	<p>Vivid E90, E95 User Manual Hard Copy – English</p> <p>Vivid E90, E95 User Manual Hard Copy – English</p>
12	1	<p>Vivid E80, E90, E95 Reference Manual Hard Copy</p> <p>Vivid E80, E90, E95 Reference Manual Hard Copy</p>
13	1	<p>Vscan with Dual Probe</p> <p>Vscan* with Dual Probe is general purpose diagnostic ultrasound imaging system for use by qualified and trained health care professionals enabling visualization and measurement of</p>

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		<p>anatomical structures and fluid. The commercially first of its kind dual headed probe integrates both linear and phased array transducers that allows for a wide range of clinical applications. Its pocket-sized robust portability and intuitive user interface enables integration into examination and training sessions. The information can be used for basic/focused assessments and adjunctively with other medical data for clinical diagnosis purposes during routine, periodic monitoring, and triage assessments for adults and pediatrics. Vscan with Dual Probe can be useful for procedural guidance.</p> <p>Vscan with Dual Probe is cleared for cardiac, abdominal, OB/GYN, urology, fetal, evaluation of presence of fluid, peripheral vascular imaging, procedure guidance for arterial or venous vessels, or to support para-, thora- and amniocentesis, thoracic/lung, thyroid and other small organs, long bone, hip and knee joints, and pediatrics.</p> <p>The product is complemented with gateway software enabling image management at customers' PC, a Vscan web portal, including online access to product and clinical information.</p> <p>The following components are included in the standard configuration of Vscan with Dual Probe: control unit and probe, docking station including global AC adapter with interchangeable plugs (USA and China, EU, UK, Australia) and USB cable, Vscan gateway software, one rechargeable battery, 4 GB Micro-SD memory card, and soft case. In some countries gel (60 g bottle) may also be included in the standard configuration.</p> <p>*Trademark of General Electric Company</p>

#### IE-33 Trade in w/ Probes



OPTIONS

Not included in the total contract amount. Prices shown are extended list prices with applicable contractual discounts.

Item No.	QTY	DESCRIPTION
14	1	4V-D Probe Enable Enables the operation of the 4V-D Volume Phased Array Transducer on a Vivid E9 4D system.