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V.A. Outpatient Clinic
CARE CENTER
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COLUMBUS, OH 43219

P.O.# 757· B89006

Item No.	QTY	DESCRIPTION
1	1	<p>Vivid" E95 4D v202 Leadership CV U/S scanner</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> <ul style="list-style-type: none">- The Vivid E95 4D Leadership console- A 22-inch-high resolution wide screen OLED monitor for excellent spatial and dynamic resolution.- The USA language kit.- 3 (three) days of on-site applications training <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</p>

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		<p>computer technology. The Vivid E95 combines Ultra Definition 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, Scan Assist Pro and Cardiac Auto Doppler.</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>

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		<p>The following standard configuration items are included in the Vivid E95 4D Leadership Console Package:</p> <ul style="list-style-type: none"> - Vivid E95 4D Leadership Console - 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: <ul style="list-style-type: none"> - QuickRotate, 2-Click Crop, FlexiSlice, Laser Lines, Biplane Prepare, FlexiZoom, FlexiViews - 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

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		<ul style="list-style-type: none"> - Virtual apex imaging - Adaptive Contrast Enhancement (ACE) - Extended Field of View (LOGIQView) - Q-Analysis: Qstress, QTVI, QContrast - Advanced Vascular (BTI, BFI, Speckle Reduce) - Z Scores for pediatrics - DICOM** Media (embedded viewer requires optional purchase) - DICOM SR (Cardiac, Vascular, Pediatrics) - Heart Failure Report - DICOM Connectivity Package (Modality Worklist, Print, Storage) - EchoPAC*, Patient Archive - Report Designer, Statement Engine, Normal Values, E-Sign-off , Communication - Configurable prospective, retrospective capture - LVO Contrast - Quick Apps - Virtual Convex - Cardiac Auto Doppler - Enhanced security features (Disk Encryption, LDAP) <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.</p> <p>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> <ul style="list-style-type: none"> - Additional On-Site Application Training days

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		<ul style="list-style-type: none"> - Vascular Contrast (optional purchase) - PolarVision, Polarized Stereo Vision for use with Sony*** 3D monitor (optional purchase) - Stress (optional purchase) - AFI Productivity Package (AFI, Triplane AFI, AFI with TEE, Peak Strain Dispersion) (optional purchase) - 2D Auto EF (optional purchase) - Myocardial Work (optional purchase) - IMT (optional purchase) - Rodent (optional purchase) - LV Mass Only (optional purchase) - 4D Strain and LV Mass (optional purchase) - Advanced QScan (optional purchase) - 4V Enable (optional purchase) - 4D Auto MVQ (optional purchase) - 4D Auto RVQ (optional purchase) - 4D Auto AVQ for aortic annulus quantification (optional purchase) - HDlive* for photo realistic visualization (optional purchase) - AFI Stress (optional purchase) - Blood Speckle Imaging (optional purchase) - Embedded DICOM viewer on media (optional purchase) - DVD, CD-R drive (optional purchase) - View-X (optional purchase) <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>
2	1	M5Sc-D XDclear* Matrix Phased Array Probe

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		<p>Matrix Phased Array probe with GE's highest performing XDclear* transducer technology, an innovative combination of advanced materials and acoustic design providing ultra-wide bandwidth and superb image quality. Applications vary depending on the ultrasound system and may include Cardiac, Pediatrics, Fetal Heart, Abdominal, Coronary, Transcranial, Contrast, and Stress Echo. Datasheets for specific ultrasound systems contain additional details including specific applications, biopsy availability, and additional probe technical specifications.</p> <p>*Trademark of General Electric Company</p>
3	1	<p>4Vc-D with XDclear* and Enable Probe</p> <p>Electronic Real Time 4D phased array probe with GE's proprietary XDclear technology, an innovative combination of advanced materials and acoustic design. This probe provides ultra-wide bandwidth and superb image quality in a lightweight and ergonomic package. It supports all cardiac ultrasound modes, including 4D imaging. Preferred applications may vary depending on the scanner running the probe, and may include Cardiac, Pediatrics, Fetal Heart, Abdominal, Coronary, Transcranial, Contrast, and Stress Echo. Datasheets for specific ultrasound systems contain additional details including specific applications and additional probe technical specifications.</p> <p>The 4Vc-D Enable option enables image acquisition with the 4Vc-D probe on the Vivid* E95 and Vivid E90 with the 4D option installed. The 4Vc Enable requires console to be at v202 R2.1 or above software level.</p> <p>This kit contains:</p> <p>Qty 1: 4Vc-D Probe with XDclear*</p> <p>Qty 1: 4Vc-D Enable</p> <p>*Trademark of General Electric company.</p>
4	1	<p>P2D CW Pencil Probe</p> <p>Non-imaging pencil probe for CW Doppler examinations of cardiac flow. Datasheets for specific ultrasound systems contain additional details including probe technical specifications.</p>
5	1	<p>High Definition 4D visualization</p>

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		<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>
6	1	<p>Vivid E95 Advanced Bundle</p> <p>The Vivid* E95 Advanced Bundle option includes the following software options:</p> <p>Advanced Qscan</p> <p>Stress</p> <p>2D Auto EF</p> <p>AFI Productivity Package</p> <p>4D Strain and 4D LV Mass.</p> <p>*Vivid is a trademark of General Electric Company or one of its subsidiaries.</p>
7	1	<p>Wireless USB adapter</p> <p>Wireless external G type USB adapter with extension cable and hardware for mounting on the rear panel.</p>
8	1	<p>Stress Cable Set</p> <p>ECG cable set which allows connection of external ECG machine output signal with either a 9-pin Dsub, BNC, RCA, 3.5mm Jack or 6.3mm Jack plug with the ECG input of LOGIQ P6, Vivid 7 (or Vivid FiVe). Must be ordered with ECG Kit (treadmill connection) or ECG Kit for ECG hardware.</p>

Trade of VE9 and M5s probe

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OPTIONS

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9	1	<p>Vivid E9/E80/E90/E95 Service Training + Lodging and Air</p> <p>The course is an overview of the Vivid E9 product illustrating the practical skills needed to install software and peripherals, set up connectivity with other networking devices, and troubleshoot the system. Participants will be involved in basic system operations, identification of service tools and diagnostics, and disassembling the system. The course will provide a detailed explanation of the individual hardware and software components and their integration and interconnectivity with other system components. Participants will learn hands-on skills in labs designed to reinforce principles reviewed in class. Training must be redeemed within 18 months of purchase. Training is non refundable and non discountable.</p> <p>Pre-purchased training sold with equipment must be used by direct hospital employees only. Price includes tuition, lodging, and airfare. PREREQUISITE: Essentials of Healthcare IT, R0359PG Explore Connectivity Basics for Ultrasound, or an approved IT certification.</p>