

REQUESTING SERVICE: CARDIOLOGY
SHIP TO: A&MM WAREHOUSE
V.A. Medical Center
400 FORT HILL AVE
BLDG 11
CANANDAIGUA, NY 14424-1188

QTY	DESCRIPTION
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.</p> <p>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 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>

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	<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. 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. 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> <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)

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	<ul style="list-style-type: none"> - 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) - 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>

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	<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 - 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>
1	C1-6-D XDclear Probe

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	<p>XDclear is GE's highest performing transducer technology which is a proprietary combination of advanced materials and innovative acoustic design. Convex transducer with XDclear technology helps achieve impressive depth on patients with difficult body habitus. Applications: abdominal, obstetrics, gynecological, urology, and vascular. Biopsy kit available..</p>
1	<p>M5Sc-D XDclear* Matrix Phased Array Probe</p> <p>M5Sc-D 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>
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>
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>
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>
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>

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1	Adapter, ECG 3-lead ECG Adapter, ECG 3-lead ECG Cable Adapter, Multi-link 3-lead DIN adapter
1	Stress Cable Set 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.
1	Vivid E90 Vivid E95 v202 User Manual Vivid E90 Vivid E95 v202 User Manual
1	Cardiac Applications Training - One day One day cardiac applications training for Vivid E9, Vivid 7, EchoPAC or Image Vault.

OPTIONS

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1	9L-D Linear Array Probe Wideband Linear Array Probe. Applications vary depending on the ultrasound system and may include Vascular, Small Parts, Pediatric, and Abdominal. Datasheets for specific ultrasound systems contain additional details including specific applications, biopsy availability, and additional probe technical specifications..
1	6VT-D 4D Transesophageal (TEE) Probe 6VT-D is a wide band multi-frequency active matrix volume imaging transesophageal phased array probe with a

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	<p>bandwidth between 3.0 and 8 MHz, a 90-degree field of view and 20 cm depth of field. The distal probe tip with a dimension of 12.7 x 14.3 mm and a length of 40 mm allows excellent imaging for cardiac diagnosis and intervention control with a small handle diameter for comfort and ergonomics. Rubber wheels provide an easy grip, especially in slippery conditions. Three user configurable on-handle push buttons for e.g. convenient plane rotation, image store and freeze functionality.</p> <p>6VT-D 4D Transesophageal (TEE) probe includes one day 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>*Trademark of General Electric Company. **Third party trademarks are the property of their respective owners.</p>



U.S. Department
of Veterans Affairs

New York/New Jersey VA Health Care Network
Canandaigua VA Medical Center
400 Fort Hill Avenue | Canandaigua, NY 14424

www.canandaigua.va.gov

Statement of Work
2 Echocardiogram Machines
4/14/18

Purchase Order:

Procurement Delivery Need: December 2018

Scope: The Canandaigua VA has a requirement to procure two new Echocardiogram Machines for the Canandaigua & Rochester Cardiology Departments as well as trade in the old unit to maximize costs savings.

Procurement Requirement/Specifications: This requirement is for two Echocardiogram Machines to include delivery and installation. One unit will be delivered to the Rochester Outpatient Clinic and one to the Canandaigua VAMC. Any packaging material must be removed from site upon completion of installation. Tentative delivery/installation is scheduled for December 2018. Training and education shall be included in the request before clinical use.

Canandaigua VAMC

400 Fort Hill Ave, Canandaigua, NY 14424.

Rochester Outpatient Clinic

919 Westfall Rd

Rochester, NY 14618

Additional Requirement: Vendor must submit a completed 6550 & MDS2 form in order to be considered for this request. This VA Directive 6550 & MDS2 form is required before any potential item can be considered per OI&T intake process requirements.

Data Requirement: Must be Veterans Integrated System Technology Architecture "VISTA" Imaging, Digital Imaging and Communications in Medicine "DICOM" compliant, and be able to connect to Hospital Information System "HIS", Radiology Information System "RIS", and Picture Archiving and Communication System "PACS" for efficient data transfer. Integration must be capable to the Electronic Health Record "EHR" (VAIQ# 7838241). Must be DICOM compliant, and be able to connect to HIS, RIS, and PACS for efficient data transfer.

Pertinent Information for Item Requirements:

Standard Features will include:

Conducts exams 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).

- 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, 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
- 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)
- 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)

Electrical Power

For equipment that will be used in the patient care vicinity, the resistance between the equipment chassis, or any exposed conductive surface of the equipment, and the ground pin of the attachment plug shall be less than .50 ohm. The leakage current flowing through the ground conductor of the power supply connection to ground of permanently wired equipment installed in general or critical care areas shall not exceed 10.mA (AC or DC) with all grounds lifted.

Equipment must comply with standards outlined in both National Fire Protection Association “Health Care Facilities” (NFPA- 99) standard and the latest edition of The Joint Commission “Comprehensive Accreditation Manual for Hospitals.”

Restrictive environmental conditions where applicable : If Applicable, Special ventilation requirements for “wet batteries”, added chemicals for “wet Batteries”, preclude the purchase of the “standard” battery option on any equipment requests due to added staff costs and lack of access to required fluids associated with them. Due to the outlined restrictive environmental conditions offers will not be consider if equipment contains lead acid batteries.

Standard Warranty Required: All products are required to be warranty free from defects in workmanship and materials, under normal use and conditions, for a period of one year from the date of delivery. During the warranty period, any defect in material or workmanship that requires repair or exchange of a product of comparable nature will occur by seller without charge incurred by the VA. Such repair or replacement is subject to verification and approval by the VA due to Medical Center governing policies.

Shipping: Standard freight on board “FOB” destination shipping must be included.

Procurement Training to include:

- 4 Day On-site Application Training