

REQUESTING SERVICE: SURGERY(112)

SHIP TO:

CHIEF, LOGISTIC/NLR B80004

V.A. Medical Center

VAMC EUGENE TOWBIN

2200 FORT ROOTS DRIVE

BLDG 182 WAREHOUSE

N. LITTLE ROCK, AR 72114-1706

P.O.# 598-B80004

Line #	Description	Qty
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1	<b>EPIQ 7G System</b>	1
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EPIQ 7 is a new direction for premium ultrasound featuring an uncompromised level of clinical performance to meet the challenges of today's most demanding practices– the most powerful architecture ever applied to ultrasound imaging – touching all aspects of acoustic acquisition and processing allowing you to truly experience Ultrasound's evolution to a more definitive modality.

Supported by our family of proprietary PureWave and xMATRIX transducers and our leading edge of Anatomical Intelligence, this platform offers our highest level of premium performance.

Reinvention of the premium ultrasound user experience

- New tablet like interface revolutionizes how you interact with the system resulting in dramatic reduction of exam reach and exam steps. (15% reduction in total steps, 40% to 80% reduction in long reaches)
- Lightest premium system in its class (230 pounds) – 40% lighter than the heaviest competitive premium system
- Enhanced mobility with battery backup options
- Large 21-inch high definition LCD display for easy viewing in virtually any environment
- Infinite articulation of control panel and monitor allows for perfect alignment whether sitting or standing (720 degrees of freedom) to scan ergonomically
- Almost silent when running (37-41dB) – equivalent to the sound of a library
- 4 transducer ports
- Ambient lighting of transducer connectors and the peripheral housing bay
- Integrated footrest with stainless steel trim
- Integrated storage shelves
- 4 wheel swivel and swivel/brake lock control

The most powerful architecture ever applied to ultrasound imaging

- Proprietary nSIGHT Imaging architecture - a totally new way to form ultrasound images – all without compromise. The combination of a new precision beamformer and massive parallel processing allow EPIQ 7 to receive and process an enormous amount of acoustic data allowing the system to focus down to the pixel level...all in real time.
- Up to 7,071,744 total digital channels (xMATRIX configuration)
- Up to 4,718,592 total digital channels (non xMATRIX configuration)
- Exclusive adaptive signal to noise ratio that achieves system dynamic range of up to 320 dB for improved 2D
- Windows Embedded Standard 7 Operating System
- Philips Next Generation SonoCT Real-Time Compounding, with Widescreen capability and up to 9 beam-steered lines of sight that acquires more information and reduces angle-generated artifacts
- Philips next generation XRES Adaptive Image Processing for noise and artifact reduction to improve tissue and border definition
- MaxVue High Definition Ultrasound with over a 1 million more pixels and 38% larger viewing area
- Fully independent, multiple mode Triplex operation
- Active Native data for post-processing of frozen image data and Cineloop image data
- Supports strain, ElastPQ and ElastQ Imaging elastography clinical options

Line #	Description	Qty
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- Supports CEUS clinical option
- Supports TrueVue photorealistic 3D option
- Supports Fusion and Navigation Interventional option

Transducers

Advanced Compact connector technology offers pinless design for exceptional reliability and performance that feature:

- Ergonomic designs with lightweight flexible cables
- New low-loss technology for better penetration with fewer artifacts
- Breakthrough frequency bandwidths and array configurations
- Supports array configurations up to 20 MHz – sector, linear, curved, tightly curved, TEE and volume transducers (3D mechanical and xMATRIX)

Automation

- Designed with our most innovative tools to maximize efficiency
- Autoscan (real time iSCAN) automatically optimizes gain and TCG continuously to assure you are achieving an optimal image in 2D, 3D and 4D.
- SmartExam system-guided protocols with new features that include exam record and automatic mode switching to greatly improve workflow efficiencies
- Vascular Auto Doppler flow optimization automatically adjusts color box position and angle, automatically adjust sample volume placement and angle. Also includes Auto Flow Tracking for automatic angle correction with sample volume movements
- Vascular High-Q Automatic Doppler provides real-time tracking of Doppler signal, automatically selecting the highest peak velocity and with the touch of a button, adding measurements to your report.
- Intelligent Tissue Specific Imaging
- Application-specific and user definable Quicktext Automatic Annotation
- QuickSAVE User Defined Programs (up to 45 per transducer)

Data

- Multi Modality Query Retrieve (Allows for the viewing of DICOM CT, Mammography, NM, MRI and ultrasound images – you can review these images while you are live imaging)
- NetLink/DICOM 3.0 provides network print and store, commit, modality worklist, DICOM Query and Retrieve, and structured reporting for adult and pediatric echo, vascular, and OB/GYN
- DICOM 3.0 Print and Store capability to internal drive or DVD/CD
- Integrated Wireless DICOM
- On-board workstation-class data management with thumbnail previews and storage of images, loops, and reports
- Retrospective and prospective clip capture to internal drive or removable media
- Ability to send X,Y & Z volume MPR's to most PACS
- Ability to export QLAB native data

Other Core Features

- Supports Freehand 3D Imaging
- 2D Panoramic
- Color Power Angio and MicroCPA
- Tissue Harmonics and Pulse Inversion Harmonic Imaging
- Basic 3D Imaging capability with MPR visualization feature
- 2D, M-Mode, Anatomic M-mode, Color Flow Doppler, Pulsed Wave Doppler (PW), High PRF PW , Continuous Wave Doppler
- Cineloop Image, M-mode and Doppler Review
- High Definition Write Zoom and Read Zoom with pan features
- Chroma Imaging
- Measurement tools including: distance, depth, area, and circumference
- Volume Flow Measurements
- Tissue Doppler Imaging
- Stress Echo Protocol

Line #	Description	Qty
	<p><b>Safeguard</b> This is a standard computer administration tool used to prevent unauthorized programs (malware) from running on the ultrasound system.</p>	

**Security Plus**  
Security Plus provides a Defense-in-depth strategy implementing security features designed to help healthcare facilities provide additional patient data privacy, and protection from unauthorized access via the ultrasound systems on hospital networks. New data security enhancements will make EPIQ and Affiniti compatible with data security on medical devices. Requires Evolution 2.0 or later. This feature does not include or require SafeGuard (malware protection).

**S-Video Option**  
Provides analog video signal output to compatible s-video devices.

**EPIQ 7 DVD Option**

**Clinical Education**

**EpiQ (GI) Clinical Education;** \*\*\*2 days of Implementation Onsite Training (expires 90 days after install, provided Mon-Fri during normal business hours), an E-Learning subscription; Basic System Training course for two people (expires 180 days after install) and a \*1 Day offsite Advanced Customer Training course for one (expires 180 days after install). All offsite training includes travel, see travel disclaimer\*\*

\*Must be used consecutively with other offsite advanced customer training tuitions associated with the same system, if purchased with other options that include offsite advanced customer training; offsite advanced customer training will be limited to a maximum of 2 consecutive days.

\*\*TRAVEL Disclaimer: Travel & Accommodations for registered attendees. Each tuition includes one (1) participant's airfare from a North American customer location to a Philips North America Ultrasound Clinical Education training location with modest lodging, ground transportation and meal expenses for the course duration. Breakfast/dinner are provided by the hotel and lunch/breaks are catered by Philips Healthcare. All other expenses will be the responsibility of the attendee (ie. Baggage fees, meals while traveling, transportation to and from customer's home airport). Details are provided during the scheduling process. Note: 21 day Cancellation/Rescheduling policy is strictly enforced.

\*\*\*Note: Philips Healthcare personnel are not responsible for actual patient contact or operation of equipment during education sessions except to demonstrate proper equipment operation. The training sessions should be attended by the appropriate healthcare professional as identified by the department director. Repeat training for staff non-attendance will not be accepted. Site must be patient-ready to meet training expectations.

All Tuitions must be registered prior to the expiration date. The course chosen must be taken within 90 days of expiration.

2	<p><b>Vascular Bundle with MicroFlow</b> <b>Vascular Clinical Option</b></p> <ul style="list-style-type: none"> <li>- Tissue Specific Imaging software for specific transducers in vascular ultrasound applications</li> <li>- Display optimization software with Tissue Specific presets for vascular imaging and Doppler applications, including TCD and trans-orbital</li> <li>- Analysis software package includes a vascular imaging protocol and report;</li> </ul>	1
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Line #	Description	Qty
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Provides vascular reporting and allows operation of L12-3, L12-5, L18-5, L15-7io, C5-1,C8-5, D5cwc transducers.

**1 Day Entitlement ACT with Travel** - The 1 Day Advanced Customer Training (ACT) course with travel consists of advanced intensive training on the selected ultrasound system and includes the corresponding travel package.

Entitlement Advanced Customer Training (ACT) Tuitions expire within 180 days from system or upgrade installment date. Due to travel and scheduling requirements, a twenty-one (21) day notification of cancellation is required or training / education entitlements will be forfeited. Curriculum is subject to change without notice.

Travel & Accommodations for one (1) registered attendee. Includes one (1) participant's airfare from a North American customer location to a Philips North America Ultrasound Clinical Education training location with modest lodging, ground transportation and meal expenses for 1 day. Breakfast/dinner are provided by the hotel and lunch/breaks are catered by Philips Healthcare. All other expenses will be the responsibility of the attendee (ie. Baggage fees, meals while traveling, transportation to and from customer's home airport). Details are provided during the scheduling process.

\*\*\*TUITION IS ONLY VALID WHEN PURCHASING A CONFIGURATION WITH 2D QLAB\*\*\*  
(applies to IE33 only)

*All Tuitions must be registered prior to the expiration date. The course chosen must be taken within 90 days of expiration*

**Abdominal Clinical Option**

- Tissue Specific Imaging software for appropriate sector array and curved array transducers in abdominal ultrasound applications
- Display optimization software with Tissue Specific presets for abdominal imaging and Doppler applications
- Analysis software package includes a general imaging protocol and report, and Tissue Specific Imaging settings for:
  - General imaging
  - Renal
  - Abdominal vascular
- Abdominal bowel

**TCD Clinical Option**

- Tissue Specific Imaging software for appropriate sector array and non-imaging static Doppler transducers in Trans Cranial Doppler ultrasound applications
  - Analysis software package includes a TCD protocol and report, and Tissue Specific Imaging settings
- Allows operation of S5-1, X5-1 and D2tcd Transducers.

**IMT**

Provides automated measurements of intima media thickness in carotids and other superficial vessels, and eliminates the need to manually position cursors, minimizing the time needed to complete an IMT study.

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	<p><b>MicroFlow Imaging</b> MicroFlow Imaging (MFI) – new high resolution flow mode. This mode is a variant of Color Power Angio (CPA) Doppler that improves flow imaging on small, low velocity vascular structures. This highly sensitive imaging mode allows visualization of these structures with minimal motion artifact while maintaining high frame rate.</p> <p><b>C5-1 Transducer</b> PureWave curved array transducer with 5 to 1 MHz extended operating frequency range. C5-1 PureWave Curved Array for high performance OB/GYN, Fetal Echo, Abdominal and Interventional applications. Now, one transducer provides exceptional clinical performance for a wide range of patient types including obese and technically challenging patients.</p> <p><b>L12-3 Transducer</b> Linear array transducer with 12 to 3 MHz extended operating frequency range for vascular. Can also be used for musculoskeletal, pediatric radiology, small parts applications.</p>	
3	<p><b>Small Parts Clinical Option</b></p> <ul style="list-style-type: none"> <li>- Tissue Specific Imaging software for linear array transducers in Small Parts and Breast ultrasound applications</li> <li>- Display optimization software with Tissue Specific presets for Small Parts and Breast imaging and Doppler applications</li> <li>- Analysis software package includes a general imaging protocol and report</li> </ul> <p>Allows operation of L12-3, L12-5 and L18-5 transducers.</p>	1
4	<p><b>Battery Std Life Package</b></p> <p>Highly recommended for portable ultrasound studies. Allows system to be place in sleep mode and booted up in 20 seconds. Allows activation of the smart handle when not plugged in to central power.</p>	1
5	<p><b>eL18-4 Transducer without EM trackers</b></p> <p>Ultra-broadband 18-4 MHz PureWave Linear multi-row array transducer with fine elevation focusing. This transducers supports a broad range of high resolution applications including breast, small parts, vascular and musculoskeletal imaging. Also supports pediatric and specialty OB imaging. The eL18-4 transducer features exceptional imaging performance and supports advanced clinical tools such as full solution elastography, MicroFlow Imaging and precision biopsy capabilities.</p>	1
6	<p><b>C8-5 Transducer Compact</b></p> <p>Curved Array transducer with 8 to 5 MHz extended operating frequency range for pediatric abdominal, vascular (subclavian vascular access) and neonatal cephalic imaging.</p>	1
7	<p><b>English Manual</b></p> <p>Operation Manual</p>	1
8	<p><b>Internal Color Printer</b></p> <p>Internally mounted and controlled, medical grade, high resolution color printer for image documentation.</p>	1
9	<p><b>Trade in Allowance</b></p> <p>Customer represents and warrants that (i) Customer has, and shall have when title passes, good and marketable title to the equipment being traded in and (ii) has the authority to effect such trade in.</p>	1

Line #	Description	Qty
Product: Serial Number: Manufacturer:	795050.000 iU22 Ultrasound System B0MRM3 PHILIPS HEALTHCARE	