

SHIP TO: VA MEDICAL CTR (695)
V.A. Medical Center
5000 W NATIONAL AVENUE
BLDG 111
MILWAUKEE, WI 53295
REQUISITION: 695-B88027

Qty	Description
1	<p>O640 NM/CT - 3/8" EXCEL</p> <p>Optima NM/CT 640 EXCEL is a general-purpose high performance hybrid SPECT imaging system. It combines integrated nuclear imaging sub-system featuring a free-geometry slim gantry, advanced all-digital Elite NXT detectors with 3/8" detectors, cantilevered patient table and powerful acquisition station, with a dedicated low-dose high resolution CT imaging sub-system designed for attenuation correction of SPECT and anatomic localization of radiotracer uptake in the body.</p> <p>Including:</p> <p>2 x Slim-All-Digital NM Elite™ NXT detectors with the following key features :</p> <ul style="list-style-type: none">o 3/8" crystal thicknesso 59 high quantum efficiency PMT's, each PMT coupled with one ADCo Extra large, rectangular UFOV with uncut corners: 540 mm x 400 mm (21.25 Inches x 15.75 Inches)o Shielded for 40-620 keV energy rangeo Contoured detector housing for optimal cardiac and brain SPECT imaging <p>· 1 x Free-geometry 70 cm bore gantry, featuring real-time automatic body contoured scanning in both 180D and 90D detectors orientations for high efficiency SPECT and WB scans. The gantry features also upright and horizontal detector orientations for maximum clinical versatility and ultra-fast, simultaneous multi-axes motion which provides fast setup with the following key features:</p> <ul style="list-style-type: none">o Externally mounted detectors, with flexible positioning for all Major clinical studies, including stretcher, standing and seated Patientso Automatic, application-specific home positioning for table and detectorso Real-time status displayo Intuitive, icon-based 20 function handset accessible from either side of the gantryo Real-time, infrared automatic body contouring system too safely minimize detector-to-patient distance in whole body, 90 degree SPECT and 180 degree SPECTo Fast, semi-automatic dual collimator exchange

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	<ul style="list-style-type: none"> · 1 x Dual-axis premium ergonomic patient imaging table with low-attenuation carbon fiber table-top with the following key features : <ul style="list-style-type: none"> o Fast, manually controlled emergency patient egress o Telescopic transporter ensuring accurate CT-SPECT registration o Easy patient handling, comfortable tabletop o Obstruction-free floor installation enables table pivot to 45 or 60 degree angles o Automatic home positioning for common imaging procedures o Optional integrated EKG · 1 x user-friendly Hybrid SPECT/CT acquisition station. <p>The integrated SPECT-CT acquisition console employs a Graphic User Interface for exam scheduling, scan acquisition, CT reconstruction and scan QC as well as utilities for protocol editing and routine quality control and analysis.</p> <ul style="list-style-type: none"> · 1 integrated low-dose CT with 4 slice functionality, inherently SPECT-registered CT Transmission attenuation correction and localization with the following key features: <ul style="list-style-type: none"> o Tube: GE MX135CT o Tube anode Heat Storage capacity: 2.0 MHU o Generator: GE Gedi 42 AC, 4.2 kW o Clinical operation tube current: 10-30 mA. o Scan Times: 1 or 2 sec per rotation o Pitch factors: 0.75:1, 1.25:1, 1.75:1 o Detector type: Ceramic - gadolinium oxysulfide (Gd₂O₂S) o Number of slices: 4 o Slice thickness: 2.5 mm
1	<p>NM 600 LEHR Collimators with Cart</p> <p>NM 600 Low Energy High Resolution Collimators</p> <p>Includes:</p> <ul style="list-style-type: none"> o Two LEHR Collimators o Collimators Mounted on a Dedicated Collimator Cart
1	<p>NM 600 MEGP Collimators with Cart</p> <p>NM 600 Medium Energy General Purpose Collimators</p>

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	Includes: o Two MEGP Collimators o Collimators Mounted on a Dedicated Collimator Cart
1	NM 600 High Energy General Purpose Collimators Includes: - Two HEGP Collimators Collimators Mounted on a Dedicated Collimator Cart
1	A set of 1 pinhole collimator with 3 inserts with collimator cart for NM 600
1	The Bilateral Pinhole Motion enhancement option enables NM600 Series cameras to perform pinhole collimated imaging of both sides of a patient on the imaging table without moving the patient in procedures such as imaging of bilateral hips anteriorly or bilateral kidneys posteriorly.
1	An L-shaped metal plate attachable to the wall with an opening for a syringe in order to acquire point source-based flood acquisition at a few meters distance from vertically positioned detector for QA purposes.
1	Quality Control Flood Source Holder Kit A large plate mounted at a small distance above the NM detector on which the flood source is positioned in order to perform acquisition of flood studies for QA/QC purposes.
1	Center of rotation source holder for Quality assurance , easily attached to Infinia or Ventri table.
1	bar phantom for spatial resolution and linearity tests of gamma cameras. The phantom consists of four quadrants with different bar specification: For each of the quadrant, bar spacing is 2.5mm, 3.2mm, 3.5mm & 4.0mm.

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1	Long table pad and straps
1	<p>AXIAL HEAD HOLDER</p> <p>The Axial Head holder is ergonomically designed to position patient's head outside of the patient tabletop pallet , enabling brain SPECT orbiting as close as possible to the patient's skull with maximal coverage of the target tissue</p>
1	<p>NM 600 Touch Ruler</p> <p>An interactive touch-sensitive device mounted at one side of the patient table, used to define nuclear imaging scan range (start and stop points), saving the need to enter these values manually from the operator console</p>
1	<p>NM 600 Series Patient Pallet Extender The patient pallet extender for NM 600 Series products can be used to extend the table top for multi-FOV SPECT, SPECT/CT and whole body studies.</p> <p>Length is 600mm; Width is 391mm; 300mm extension</p> <p>Note - The use of the extender requires more space between the camera and the back wall of the scan room. Consult with GE Healthcare project manager for minimum room size requirements.</p>
1	A streamlined floor plate designed to facilitate collimator exchange on the NM 600 series cameras to aid hospital bed and stretcher imaging.
1	<p>NM600 DETECTORS DISMOUNT</p> <p>An option enabling transportation and mobilization of the NM600 series gantry separated from the detectors for easier load in elevators or easier access through restricted paths such as narrow hallways or doorways</p>
1	<p>EfB SPECT CAMERA LICENSE</p> <p>Enables Camera capability to provide data for Evolution for Bone (EfB). EfB provides Evolution Resolution Recovery reconstruction on</p>

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	SPECT bone scans. The EfB application may be utilized to provide equivalent image quality on half-dose or half-time bone scans.
1	<p>EfB PLANAR CAMERA LICENSE</p> <p>Enables Camera capability to provide data for Evolution for Planar Bone (EfPB). EfPB provides adaptive Structure Matching non-Local filtering on planar bone scans. The EfPB application may be utilized to provide equivalent image quality on half-dose or half-time bone scans.</p>
1	<p>EfC SPECT CAMERA LICENSE</p> <p>Enables Camera capability to provide data for Evolution for Cardiac (EfC). EfC provides Evolution Resolution Recovery reconstruction on SPECT Myocardial Perfusion Imaging (MPI) scans. The EfC application may be utilized to provide equivalent image quality on half-dose or half-time MPI scans.</p>
1	<p>EVOLUTION TOOLKIT CAMERA LICENSE</p> <p>Enables Camera capability to provide data for Evolution Toolkit. The Evolution Toolkit provides Evolution Resolution Recovery reconstruction on SPECT scans resulting in improved resolution and contrast. The Evolution Toolkit application may be utilized with included statistical re-sampling tools to determine optimal dose or time reduction on SPECT studies. Evolution Toolkit supports Tl201, Tc99m, I-123, Ga67, In111, & I-131 isotopes.</p>
1	<p>4 Day NM TiP Onsite System Training</p> <p>Nuclear Medicine Onsite Training for a new NM system.</p>

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1	<div data-bbox="477 380 1131 407"> <ul style="list-style-type: none"> One 4 day onsite visit to coincide with system start-up. </div> <div data-bbox="456 432 1268 640"> <p>During the visit, the applications specialist will work with the medical and technical staff on system operation and patient procedures. The training produces the best results when a dedicated core group of 2-4 NM technologists complete the session with a modified patient schedule. It is suggested that key physicians are available to participate in the protocol implementation and image quality review sessions.</p> </div> <div data-bbox="456 665 1289 728"> <p>This training program must be scheduled and completed within 12 months after the date of product delivery.</p> </div> <div data-bbox="456 762 790 789"> <p>2 Days NM TiP Onsite Training</p> </div> <div data-bbox="456 814 1273 877"> <p>Two Day NM Onsite Training provided from 8AM to 5PM, Monday through Friday. Includes T&L expenses. Days provided consecutively.</p> </div> <div data-bbox="456 903 1289 966"> <p>This training program must be scheduled and completed within 12 months after the date of product delivery.</p> </div> <div data-bbox="456 999 808 1026"> <p>6 KVA UPS for Nuclear Medicine</p> </div> <div data-bbox="456 1052 683 1079"> <p>FEATURES/BENEFITS</p> </div> <div data-bbox="477 1106 1317 1671"> <ul style="list-style-type: none"> The use of uninterruptible power enables the system imaging to be completed after the loss of supply power, and allows for saving of valuable data and orderly system shutdown The Online Double Conversion UPS eliminates all power anomalies such as noise, transients, overvoltage and undervoltage, which could damage the imaging system's sensitive computer components Improves imaging system reliability, reduces service costs, and increases system uptime Cell Saver Technology provides conditioned power even during severe brownout conditions without depleting battery resources System monitoring via: LanSafe III / FailSafe III software, (2) RS-232 Ports PowerPass Module further enhances reliability through Maintenance Bypass Switch which performs maintenance or upgrade your UPS without powering down your critical systems </div> <div data-bbox="456 1696 636 1724"> <p>SPECIFICATIONS</p> </div> <div data-bbox="477 1751 990 1820"> <ul style="list-style-type: none"> Dimensions (H x W x D): 33.6" x 9.9" x 15.8" Weight: 218 lbs. </div>

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	<ul style="list-style-type: none"> Input Voltage: 200 - 240 VAC Output Voltage: 120/240, 120/208 VAC Frequency: 45-65 Hz <p>COMPATIBILITY</p> <ul style="list-style-type: none"> Maxxus NM <p>NOTES:</p> <ul style="list-style-type: none"> Customer is responsible for rigging and arranging for installation with a certified electrician ITEM IS NON-RETURNABLE AND NON-REFUNDABLE
1	Main Disconnect Panel for GE 640 NM-CT System
1	A set of cables designed to support the connection of the system to a 480V UPS for O640 power regulation purposes.
1	<p>Patient Arm Support for NM, PET/CT, MR</p> <p>Padded Arm Rest combines total arm support and passive restraint, increasing patient comfort during extended procedures. Designed to accommodate virtually all patients. Compatible with most Nuclear Imaging systems and can also be used in MRI, CT and PET applications. Constructed with a comfortable, full support polyfoam with a seamless coated finish. Warranty Code: H</p>
1	<p>Patient Leg Rest for Nuclear, PET/CT, MRI</p> <p>Contoured Leg Rest prevents low back stress and pain that occurs during supine imaging and treatment, measures 7 in. H x 17 in. D x 13 in. W. Designed to accommodate virtually all patients. Compatible with most Nuclear Imaging systems and can also be used in MRI, CT and PET applications. Constructed with a comfortable, full support polyfoam with a seamless coated finish. Warranty Code: H</p>
1	<p>The Model 7600 is Ivy Biomedical's fifth generation of cardiac trigger monitors intended primarily for use on patients in applications requiring precision R-wave synchronization. Incorporating a simple, easy to use touchscreen interface, the 7600 displays two simultaneous ECG vectors along with the patient's heart rate.</p>

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	<p>The Trigger ECG vector (top waveform) can be selected from Leads I, II III or Auto Lead Select. The Second ECG vector (bottom waveform) can be selected from Leads I, II or III. If required, High and Low heart rate alarm limits can be adjusted to bracket the patient's heart rate so that a violation of these limits produces an audible and visual indication of the alarm.</p> <p>Includes roll stand</p>
1	OPTIMA NM CT 640 SCV TRNG
1	<p data-bbox="456 804 899 831">CT Basic Physics/Instrumentation (Web)</p> <p data-bbox="456 852 1287 1024">The CT Fundamentals Course is Designed for Service Engineers who have Little or No Familiarity with CT Systems. The Course Teaches General Processes, Concepts, and Equipment Used in CT Scanning. This Course is Delivered Via the internet as an online training course. This course must be taken within 2 years from the purchase date.</p>
1	CT BASICS 4 NM SVC TRNG
1	<p data-bbox="456 1123 675 1150">Xeleris Service Web</p> <p data-bbox="456 1171 1307 1310">Xeleris 2.0 e-training provides a comprehensive training tool that allows field engineers to install, configure, maintain and service the Xeleris 2.0 workstation. This course must be taken within 2 years from the purchase date.</p>
1	<p data-bbox="456 1346 870 1373">Troubleshooting Basics Service (Web)</p> <p data-bbox="456 1394 1304 1680">This Course is Intended for Individuals Involved in Servicing Medical Equipment. By Taking This Course, You will Learn a Proven Process for Troubleshooting Problems with Medical Equipment. You will Also Learn How to Use Various Tools in a Troubleshooting Situation and How to Interpret Error Messages. This Course Does Not Address How to Troubleshoot Specific Products. It is Recommended That you Have Fundamental Training in a Modality Prior to Taking This Course. This course must be taken within 2 years from the purchase date.</p>
1	<p>GE Healthcare has reclassified its service tools, diagnostics and documentation into various classes (please refer to the Service Licensing Notification statement at the beginning of this Quotation). The Standard</p>

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	<p>License provides access to service tools used to perform basic level service on the Equipment and is included at no charge for the warranty period.</p> <p>Configuration List Price: Discounted Configuration Price</p>
1	
1	<p>Xeleris* 4.0 SPECT/CT functional imaging workstation is a Nuclear Medicine, PET, NM/CT, and PET/CT processing, analysis, and review system. Designed with productivity in mind, it can accelerate workflow and provides a powerful clinical diagnostic tool to the medical imaging community.</p> <p>Combining streamlined workflow with a comprehensive clinical library and extensive networking capabilities on a functional imaging workstation, Xeleris 4.0 is at the nucleus of productivity in the clinical imaging department. Utilizing the GE Healthcare-wide graphical user interface, Xeleris 4.0 is the processing and review platform of the Discovery*, Optima* and Brivo* NM and NM/CT series, Infinia* Hawkeye* 4, Venti, Discovery PET/CT 600 series, and all other molecular imaging cameras in GE Healthcare's current offering. Xeleris 4.0 provides the automated processing and connectivity necessary in today's demanding environment.</p> <p>Xeleris 4.0 SPECT/CT includes Motion detection & correction software, is Evolution*-ready with the capability to process studies acquired with Evolution GE cameras, and Volumetrix IR & 3D for SPECT/CT and fused image review.</p>
1	Cedars Sinai Cardiac Packages.

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1	<p>A comprehensive set of nuclear cardiology protocols for advanced cardiac analysis, including:</p> <ul style="list-style-type: none"> o Cedars Sinai Quantitative Perfusion SPECT o Automatic 3-Dimensional software approach to quantitative Perfusion SPECT. o Cedars Sinai Quantitative Gated SPECT o An application calculating the ejection fraction of the left ventricle and a 3D surface display is generated. o Cedars Sinai Companion o Optional module for QGS and QPS applications features <ul style="list-style-type: none"> - 17 segment scores and templates in QPS - Diastolic filling parameters in QGS - Eccentricity ratio in QGS <p>Ectoolbox VI Workstation A comprehensive set of nuclear cardiology protocols for advanced cardiac analysis, including a variety of databases of normal patients for comparison covering various acquisition protocols, including 1 and 2 day Sestamibi, Dual Isotope, Stress/Rest Tetrofosmin, Thallium, Myoview Pharmacologic Stress, and a 1 day Rest/Stress Tetrofosmin for GE Healthcare Discovery NM 530c and NM/CT 570c cameras.</p> <p>Configuration List Price: Discounted Configuration Price</p>
2	<p>Xeleris 4 Evolution Bundle Software License for a single Xeleris 4 Workstation and all its XFL clients. This item contains the following Evolution licenses.</p> <ul style="list-style-type: none"> - Xeleris 4 Evolution for Bone (EfB): Provides Evolution Resolution Recovery reconstruction on SPECT bone scans. The EfB application may be utilized to provide equivalent image quality on half-dose or half-time bone scans. This license processes Infinia 2, Infinia Hawkeye 4, and Discovery 600 family of camera data. EFB SPECT CAMERA LICENSE (H3602NH) required.

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	<p>- Xeleris 4 Evolution for Planar bone (EfPB): Enables reduced time or dose on whole body or spot bone studies. EfPB provides adaptive Structure Matching non-Local filtering on planar bone scans. The EfPB application may be utilized to provide equivalent image quality on half-dose or half-time bone scans. This license processes Infinia 2, Infinia Hawkeye 4, and Discovery 600 family of camera data. Evolution Planar Bone Camera license (H3901NF) required.</p> <p>- Xeleris 4 Evolution for Cardiac (EfC): Provides Evolution Resolution Recovery Reconstruction on SPECT Myocardial Perfusion Imaging (MPI) scans. The EfC application may be utilized to provide equivalent image quality on half-dose or half-time MPI tc99m scans. This license processes Infinia 2, Infinia Hawkeye 4, Ventri, and Discovery 600 family of camera data. EFC SPECT CAMERA LICENSE (H3602NJ) required.</p> <p>- Xeleris 4 Cardiac Morphing (CM): Provides Elastic registration of gated cardiac cycle to the end diastolic bin. The removal of blurring in the cardiac cycle provides enhanced clarity of myocardial wall visualization. Processes data from Infinia 2, Infinia Hawkeye 4, Ventri and Discovery 600 family of camera data.</p> <p>CARDIAC MORPHING CAMERA LICENSE (H3602PT) required.</p> <p>- Xeleris 4 Evolution Toolkit - A package enabling improved resolution and reduced noise for SPECT studies of 99mTc, 123I, 111In, 131I, Ga67 by the use of the Evolution reconstruction technique with resolution-recovery. This license processes Infinia 2, Infinia Hawkeye 4, and Discovery 600 family of camera data. Evolution Toolkit Camera License (H3602Nk) required.</p>

Millennium VG SPECT