SHIP TO:
Chief, AMMS (90) B83004
V.A. Medical Center
Attn: Receiving Dock
VA MEDICAL CENTER
1030 Jefferson Avenue
Memphis, TN 38104-2193

P.O.# 614-B83004

Item No.	Qty	Description
		MCT 850
1	1	NM/CT 850 3/8 inch Detector

NM/CT 850 system is a hybrid SPECT/CT imaging system combining a nuclear imaging camera with a hybrid-dedicated low-dose CT subsystem. It has an all-purpose, dual-detector, free-geometry integrated nuclear imaging camera that features the advanced Elite NXT detector technology, slim gantry, cantilevered patient table, an Acquisition station and Smart Console digital processing workstation, now combined with a Revolution ACTs CT that has been adapted for low-dose hybrid-dedicated use within the NM/CT 850 imaging system.

The Elite NXT detectors feature 3/8" or 5/8" thick detectors for all-purpose nuclear imaging.

The adapted low-dose hybrid-dedicated Revolution ACTs is an 8-Slice CT with short geometry designed gantry and New Clarity panel detector HiLight™ scintillator with DAS on detector (DoD) and other advanced OptiDose* dose management features.

Key features of the free-geometry NM/CT 850 design include:

• Slim-profile, wide-bore, robotic gantry design

• 180° and 90° orientations of the NM detectors for high SPECT and WB scanning efficiency

• Rapid, simultaneous multi-axis gantry motions

• Upright and horizontal detector orientations for exceptional clinical versatility, including patients that are in a hospital bed, standing or sitting during scan

• Multi-functional, dual-axis imaging table

• Automatic "home" positioning enables easy setup of the gantry and the table using pre-programmed detector geometries and imaging modes

• Real-time automatic body contouring

Item No.	Qty	Description
		• User-friendly, intuitive Linux-based user interface
		• CT imaging sub-system for low-dose Hybrid SPECT/CT applications including attenuation correction and localization
		• Smart Console™ provides automated processing, connectivity, and user collaboration tools, for enhanced workflow and accessibility.
		• Ignite integrated workflow with Xeleris processing and review workstation designed to help enhance departmental productivity
		The Evolution for Bone SPECT Camera License enables the acquisition of Evolution for Bone SPECT data sets on 800 series cameras. The Evolution for Bone SPECT algorithm models the collimator-detector response, improves Bone SPECT resolution, signal to noise ratios and reduces noise variability. Evolution for Bone SPECT enables improved resolution of bone SPECT studies acquired over standard acquisition time or non-inferior image quality with up to 50% reduction in count density, achieved by either imaging at ½ acquisition time or injecting with ½ dose (or any combination of the two) when compared to standard bone SPECT imaging protocols. The Evolution for Bone reconstruction is an additional module within the Q.Volumetrix MI application.
		The Evolution for Planar Bone Camera License enables the acquisition of Evolution for Planar Bone data sets on the 800 series cameras. The Evolution for Planar Bone includes a noise reduction algorithm that preserves the finest structures in the image using well-suited pixel size and optimal energy window settings. This Adaptive Structure Matching Non-Local Filter enables improved planar image quality for the same scan time, shorter planar scan time while preserving image quality, or reduced injected dose with the same scan time while preserving image quality. The Evolution for Planar

Item No.	Qty	Description
		Bone reconstruction is an additional module within the Whole Body Bone and Spots Review application.
		The Evolution for Cardiac Camera License enables the acquisition of Evolution for Cardiac data sets on the 800 series cameras. The Evolution for Cardiac resolution recovery algorithm models the collimator-detector response, improves cardiac SPECT resolution, signal to noise ratios and reduces noise variability. Evolution for Cardiac provides non-inferior image quality with up to 50% reduction in count density, achieved by either imaging at ½ the acquisition time or injecting with ½ the dose (or any combination of the two) when compared to standard MPI protocols. The Evolution for Cardiac reconstruction is an additional module within the Myovation application.
		The Evolution Tool Kit Camera License enables the acquisition of Evolution Tool Kit data sets on the 800 series cameras. The Evolution Tool Kit is a package enabling improved resolution and reduced noise for SPECT studies of Tc99m, I123, In111 and Ga67 by using the Evolution reconstruction technique with resolution recovery. Compared to standard FBP or iterative reconstruction, Evolution Tool Kit can enable improved visual clarity. Evolution Tool Kit includes Poisson and Angular re-sampling tools to for imaging simulation of various levels of count densities to test the impact of time or dose reduction on image quality. Evolution Tool Kit reconstruction is an additional module within the Q.Volumetrix MI application.
2	1	NM800 LEHRS coll with cart
		NM 800 Low Energy High Resolution and sensitivity Collimators includes two collimators and a dedicated collimator cart.
3	1	GE NM 600 Series MEGP Collimators (2) with Cart

Item No.	Qty	Description
		NM 600 MEGP Collimators with Cart NM 600 Medium Energy General Purpose Collimators Includes: o Two MEGP Collimators o Collimators Mounted on a Dedicated Collimator Cart
4	1	NM 600 LEUHR 2 W CART NM600 Series Low Energy Ultra High Resolution Collimator set Includes Two LEUHR Collimators. Both collimators are Mounted on a Dedicated Collimator Cart
5	1	630 & B615 QC Point Source Holder 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.
6	1	630 & B615 QC Flood Source Holder Kit 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.
7	1	QA COR Source Holder Center of rotation source holder for Quality assurance , easily attached to Infinia or Ventri table.
8	1	QC Bar Phantom Bar phantom for spatial resolution and linearity tests of gamma cameras. The phantom consists of four quadrants with different bar specification:

Item No.	Qty	Description
		For each of the quadrant, bar spacing is 2.5mm, 3.2mm, 3.5mm & 4.0mm.
9	1	D670 FIXTURE 4 NM UPS480V
		A set of cables and components required for use with E4502JJ Eaton 6 kVa UPS - for DLX and DX Digital X-Ray system consoles and Nuclear products that provide partial emergency backup power supply for completion of NM scans and gantry motion.
10	1	STRAPS AND PAD KIT
		Long table pad and straps
11	1	Axial Head Holder
		AXIAL HEAD HOLDER 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
12	1	PALLET EXTENDER
		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.
		Length is 600mm; Width is 391mm; 300mm extension
		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.
13	1	NM600 OPTIONAL FLAT FLOOR
		A streamlined floor plate designed to facilitate

Item No.	Qty		Description
			collimator exchange on the NM 600 series cameras to aid hospital bed and stretcher imaging.
14	1		NORAV ECG GATING
			NORAV ECG GATING FOR D630
			A compact ECG gating device for Discovery 630 gated cardiac studies , embedded in the Patient table in order to simplify operation.
15	1		CT Service Cabinet
			Service cabinet for system accessories storage
16	1		NM600 DETECTORS DISMOUNT
			NM600 DETECTORS DISMOUNT
			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
17	1		Q.METRIX CAMERA LICENSE
			Q.Metrix enables employment of SPECT and CT segmentation tools for quantifying radiopharmeceutical uptake using patient demographics information.
18	1		Standard Service License
			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 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.
19	1		6 KVA UPS for Nuclear Medicine

Item No.	Qty	Description

6 KVA UPS for Nuclear Medicine

FEATURES/BENEFITS

- 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

SPECIFICATIONS

- Dimensions (H x W x D): 33.6" x 9.9" x 15.8"
- Weight: 218 lbs.
- Input Voltage: 200 - 240 VAC
- Output Voltage: 120/240, 120/208 VAC
- Frequency: 45-65 Hz

COMPATIBILITY

- Maxxus NM

NOTES:

- Customer is responsible for rigging and arranging for installation with a certified electrician

Item No.	Qty	Description
		• ITEM IS NON-RETURNABLE AND NON-REFUNDABLE
20	1	90A A1 Main Disconnect Panel and UPS Control
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21	1	Patient Arm Support System for Nuclear, PET/CT, MRI
		Patient Arm Support for NM, PET/CT, MR
		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
22	1	Patient Leg Rest for Nuclear, PET/CT, MRI
		Patient Leg Rest for Nuclear, PET/CT, MRI
		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
23	1	Discovery NM/CT Core Training Package (Experienced GE NM/CT users)
		Discovery NM/CT Core Training Package (Experienced GE NM/CT users) Training package incorporates a variety of instructional methods for optimal learning and retention from basic to advanced system operation. Offers multiple delivery modes including online, live

Item No.	Qty	Description
		remote, onsite and HQ-based training. Package includes up to 14 days onsite, 1 HQ class, and 16 hours of remote training.
		Program concludes one year after the initial start date. Instruction is provided from 8 AM to 5 PM, Monday through Friday and includes T&L expenses.
24	1	TiP HQ Class NM Workstation - Full Service
		TiP HQ Class NM Workstation - Full Service
		3.5 day TiP NM Workstation course held in the Milwaukee area. Includes travel and modest living expenses.
		This course will prepare the technologists and Physicians for performing the daily workstation operations.
		This training program must be scheduled and completed within 12 months after the date of product delivery.
25	1	NM HQ Class – SPECT/CT Clinical Applications. Full Service
		NM HQ Class – SPECT/CT Clinical Applications. Full Service
		NM Headquarters Class - SPECT/CT: Understanding CT Dose, Parameters, and Hybrid Clinical Applications.
		3.5 Days. Theoretical and practical program designed to educate the Technologist in the clinical applications of SPECT/CT hybrid imaging. Program focuses on CT fundamentals and clinical applications for SPECT/CT on the Xeleris Workstation. Course includes 8 hours of didactic and hands-on instruction on CT topics including CT terminology, parameters, dose control, QC, and image review.
		Full service. Includes travel and modest living

Item No.	Qty	Description
		expenses. Course held at GE Healthcare Institute, Pewaukee, WI.
		This training program must be scheduled and completed within 12 months after the date of product delivery.
26	2	Infinia With Xeleris Training
		NM Infinia with Hawkeye Service (Class/Lab)
		Content addressing technical service issues related to Infinia (Quasar) nuclear camera & Xeleris Workstation. Students should expect to learn theory, calibration and troubleshooting procedures. This course must be taken within 2 years from the purchase date.
27	2	XELERIS 2.0 SERVICE
		Xeleris Service Web
		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.
28	2	Troubleshooting Basics Service (web)
		Troubleshooting Basics Service (Web)
		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.

Item No.	Qty	Description
29	2	NETWORKING & DICOM BASIC

Networking and Dicom Basic for DI Service (Web)

Training will prepare engineers on configuring and troubleshooting networks, which use the DICOM protocol for transferring patient data and how to read and use DICOM Conformance Statements.

This course covers the following:

- Introduction to 7 layer OSI and 5 layer TCP/IP protocols (Basic model only)
- Identify hardware used in networking
- Review of the most used networking devices, cables, NIC, switch and routers
- Simple network connection with 2 to 5 devices
- Dicom definitions, theory and configuration

This course must be taken within 2 years from the purchase date.

Discounted Configuration Price

1   **Xeleris 3x/4 to 4DR Workstation Upg**

| 30 | 1 | X4 DR from X4.0 or X3.1 Z420 |

Xeleris 4 DR Software upgrade from Xeleris 3.1 or Xeleris 4.0
Xeleris* 4 DR molecular imaging workstation is a Nuclear Medicine, PET, NM/CT, and PET/CT processing, analysis, and review system. Designed to leverage the latest SPECT quantitative applications for routine clinical use, it accelerates workflow and improves diagnostic confidence. The Xeleris 4 DR opens the doors to the new era of digital healthcare delivery through the enablement of Healthcare Cloud potential and advanced applications to help solve some of the most complex clinical presentations.

Combining streamlined workflow with a

comprehensive clinical library and extensive networking capabilities on a molecular imaging workstation, Xeleris 4 DR is at the nucleus of productivity in the clinical imaging department along with enhanced security features. Utilizing the GE Healthcare-wide graphical user interface, Xeleris 4 DR is the processing and review platform of the Discovery*, Optima* and Brivo* NM and NM/CT series, Infinia* Hawkeye* 4, Ventri, Discovery PET/CT 600 series, and all other molecular imaging cameras in GE Healthcare's current offering.

Xeleris 4 DR provides the automated processing and connectivity necessary in today's demanding environment.

Note: this upgrade is applicable only when upgraded workstation is running on Z420 Hardware.

| 31 | 1 | Q.Volumetrix |

Optional software for Volumetrix MI that enables advanced segmentation and quantitation capabilities for SPECT/CT and PET/CT data.
Enables routine quantitative SPECT results in the form of MBq/ml and SPECT SUV (Standard Uptake Value) without workflow impediments for both base line and longitudinal studies, especially where relative quantitation is insufficient.
Utilizes advanced quantitative reconstruction with compensation for Attenuation, Resolution and Scatter. Patient demographics and dose information are incorporated to provide accurate quantitative results.
Quantitative SPECT/PET results are further enhanced with advanced segmentation tools providing 2D and 3D organ and lesion characterization. The Q.Volumetrix option provides quantitative patient follow-up.
Supports data from GE Healthcare 600's Hybrid

Item No.	Qty	Description
		products using the following isotopes: 99mTc, 201Tl, 111,In, 123I, 131I, 67Ga, Lu177 and collimators: LEHR, MEGP, HEGP, ELEGP, LEHS, WEHR45, LEHRS
32	1	Q.BRAIN License
		Q.Brain allows the user to visualize and quantify relative changes in the brain's metabolic function or blood flow activity
		between a subject's images and controls, when used with radiopharmaceuticals approved by the regulatory authority
		in the country of use, which may be resulting from brain function alterations in:
		• Epileptic seizures • Dementia, such as Alzheimer's disease, Lewy body dementia, Parkinson's disease with dementia, vascular dementia,
		and frontotemporal dementia. • Inflammation • Brain death • Cerebrovascular disease such as acute stroke, chronic and acute ischemia • Traumatic Brain Injury (TBI) When integrated with the patient's clinical and diagnostic information,
		Q.Brain application may aid the physician in the interpretation of cognitive complaints, neuro-degenerative disease
		processes and brain injuries.
33	1	Q.BRAIN Normals DB for HMPAO Ceretec
		Q.Brain Normals Data base for HMPAO Ceretec
34	1	Q.LUNG License
		• Diagnosis of Pulmonary Embolism (PE), Chronic Obstructive Pulmonary Disease (COPD), Emphysema and other lung deficiencies.

• Assess the fraction of total lung function provided by a lobe or whole lung for Lung cancer resection requiring removal of an entire lobe, bilobectomy or pneumonectomy.

Item No.	Qty	Description
35	1	**RENAL QUANTIFICATION MAG3**
		QuantEM Software for the eNTEGRA Workstation and GENIE P&R. Quantitative Analysis for Tc-99m Mag 3 Renography. Requires Syringe Holder and Gates Adapter. Includes Whole Kidney and Cortical Renogram Analysis, and Camera Clearance Determination.
36	1	MANCHESTER RENOGRAM ANAL
		Manchester Renogram Analysis Package for Entegra or Xeleris
		Enables the licensed options to perform the Manchester Rutland background subtraction method and the Manchester perirenal background subtraction method within the Renal Analysis program.
37	1	2 Days NM TiP Onsite Training
		2 Days NM TiP Onsite Training
		Two Day NM Onsite Training provided from 8AM to 5PM, Monday through Friday. Includes T&L expenses. Days provided consecutively.
		This training program must be scheduled and completed within 12 months after the date of product delivery.
		Discounted Configuration Price
	1	**Xeleris 3x/4 to 4DR Workstation Upg**
38	1	X4 DR from X4.0 or X3.1 Z420
		Xeleris 4 DR Software upgrade from Xeleris 3.1 or Xeleris 4.0

Item No.	Qty	Description
		Xeleris* 4 DR molecular imaging workstation is a Nuclear Medicine, PET, NM/CT, and PET/CT processing, analysis, and review system. Designed to leverage the latest SPECT quantitative applications for routine clinical use, it accelerates workflow and improves diagnostic confidence. The Xeleris 4 DR opens the doors to the new era of digital healthcare delivery through the enablement of Healthcare Cloud potential and advanced applications to help solve some of the most complex clinical presentations.

Combining streamlined workflow with a comprehensive clinical library and extensive networking capabilities on a molecular imaging workstation, Xeleris 4 DR is at the nucleus of productivity in the clinical imaging department along with enhanced security features. Utilizing the GE Healthcare-wide graphical user interface, Xeleris 4 DR is the processing and review platform of the Discovery*, Optima* and Brivo* NM and NM/CT series, Infinia* Hawkeye* 4, Ventri, Discovery PET/CT 600 series, and all other molecular imaging cameras in GE Healthcare's current offering.

Xeleris 4 DR provides the automated processing and connectivity necessary in today's demanding environment.

Note: this upgrade is applicable only when upgraded workstation is running on Z420 Hardware.

Item No.	Qty	Description
39	1	XELERIS PLUG-IN FOR CEDAR

Xeleris Plug-in for Cedars Xeleris Plug-in for Cedars enables the integration of Cedars cardiac applications within the Myovation workflow. Single license required for all applications.

Discounted Configuration Price

Item No.	Qty	Description
		INFINIA HE4

Options

Item No.	Qty	Description
40	1	2 Days NM TiP Onsite Training

2 Days NM TiP Onsite Training

Two Day NM Onsite Training provided from 8AM to 5PM, Monday through Friday. Includes T&L expenses. Days provided consecutively.

This training program must be scheduled and completed within 12 months after the date of product delivery.