

Item No.	Qty	Description
1	1	<p data-bbox="540 527 769 554">DISCOVERY MI 25CM</p> <p data-bbox="540 579 760 606">Discovery* MI 5ring</p> <p data-bbox="540 623 1268 974">Discovery MI is the next evolution in whole body PET/CT platform, bringing clinically-relevant innovations in an evolutionary platform designed to open doors to new and advanced procedure possibilities in a non-invasive diagnostic imaging. Many of the subsystems have been reimagined to bring advances in quantitative PET imaging, single PET/CT organ imaging, managing patient breathing and cardiac movement, PET and CT iterative reconstruction technologies, and workflow efficiency, while providing the highest PET sensitivity in the industry.</p> <p data-bbox="540 987 1268 1192">Discovery MI platform introduces new SiPM based PET detector, designed for optimal detection efficiency and clinical versatility. The new SiPM based PET detector sensitivity and NECR properties are optimized to perform with any PET tracer currently available for improved PET/CT imaging thus potentially allowing faster acquisition time and/or lower injected PET dose.</p> <p data-bbox="540 1203 1154 1268">The Discovery MI 5ring consists of an integrated gantry containing:</p> <ul style="list-style-type: none"> <li data-bbox="540 1327 794 1354">o an Revolution Evo CT <li data-bbox="540 1362 1167 1390">o new SiPM based PET detector composed of 5 PET rings <li data-bbox="540 1398 1073 1425">o a scalable PET iterative reconstruction system <li data-bbox="540 1434 1211 1535">o a Discovery MI operator console featuring in standard, the following advanced workflow solutions: RadRx patient study prescription; Q.Check a PET data Quantitative integrity check. <li data-bbox="540 1543 1243 1608">o a patient imaging table with one head holder, patient security straps and comfort accessories. <p data-bbox="540 1617 776 1644">Quantitative Imaging</p> <ul style="list-style-type: none"> <li data-bbox="540 1652 1243 1717">o Q.Temp – Individual temperature sensor and gain adjustment technique <li data-bbox="540 1726 1260 1822">o Q.Check – User configurable data integrity check that can help ensure parameters important for quantitative imaging are saved in the patient DICOM data prior to being sent to the network for

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		<p>analysis and/or archiving.</p> <ul style="list-style-type: none"> o Q.Prepare <p>Prospective Reconstruction</p> <ul style="list-style-type: none"> o VUE Point HD utilizes a fully 3D iterative reconstruction technique with all corrections within the loop, enhanced resolution with detector geometry modeling, model-based 3D scatter correction inside and scatter estimation outside the field of view, exclusive randoms corrections based on singles and dead-time correction with pile-up estimates providing high image quality and patient throughput. o VUE Point FX, time-of-flight image reconstruction, leverages the innovative VUE Point HD iterative process by adding timing information to each step within the iterative loop and improving signal-to-noise ratio o SharpIR, Point Spread Function reconstruction, enhances visual contrast and resolution in both whole-body and brain PET images. SharpIR provides uniform High Definition resolution over a 70 cm PET FOV. o WideView - PET reconstructed transaxial Field of View coverage of 70cm diameter with CT based PET attenuation correction and CT wide-FOV Display. <p>Motion Management</p> <p>Motion Management tools enable the reduction of motion artifacts caused by patient breathing and cardiac movement by acquiring motion information during the scan and incorporating it into motion related PET/CT applications.</p> <ul style="list-style-type: none"> o RAD Rx Variable CT protocols within same exam including Average Cine CT for improved attenuation correction <p>Calibration and Daily Quality Control</p> <p>Daily Quality Assurance at the start of the scanning day is quick and efficient. A simple protocol launches the DQA procedure, which takes less than 10 minutes and provides you with a daily report (2).</p> <p>CT Key Features</p> <p>The Discovery MI platform can be operated as a standalone CT scanner (without gantry tilt). It offers exceptional power, remarkable speed, high-resolution/low-dose imaging, and full diagnostic capabilities.</p> <p>The Discovery MI includes the Revolution Evo CT that can</p>

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		<p>perform a wide variety of clinical applications not requiring gantry tilt with Clarity Imaging Chain and ASiR-V(1) capabilities.</p> <ul style="list-style-type: none"> o Clarity Imaging Chain consists of Clarity Detector, DAS, Performix*40 Plus X-ray Tube and ASiR-V reconstruction, to deliver high resolution imaging. o Silent design of Revolution EVO gantry allows significant reduction of audible noise compared with previous GE technology. o ASiR-V A allows healthcare providers to lower dose by 50 to 82% as compared to standard filtered back-projection (FBP) reconstruction at the same image quality. ASiR-V combines the speed of ASiR with additional capabilities from Veo, GE's full model-based iterative reconstruction technology. By applying more advanced modeling and optimization technologies in projection- and image-space as part of the iterative reconstruction process, ASiR-V provides dose reduction well beyond that of ASiR, while maintaining low-contrast detectability, like Veo. o IQ Enhance (IQE) reconstruction reduces helical Artifact Index in thin slice helical scanning. o Axial or helical scans of the same anatomy at two different X-ray energies (kVps). To further improve registration accuracy, patient immobilization may be utilized. o Adaptive Enhance Level Adjustment (AELA) may improve visual spatial resolution while maintaining pixel noise standard deviation and artifact. o Organ Dose Modulation provides reduction of radiation dose via X-ray tube current modulation for superficial tissues, such as breasts. o AutomA/SmartmA* modulates X-ray tube mA to account for specific patient anatomy based upon data gathered from the scout image. o Dynamic Z-axis tracking provides automatic and continuous correction of the x-ray beam shape to block unused x-ray at the beginning and end of a helical scan to reduce unnecessary radiation. o One stop scanning mode that provides a streamlined workflow o Direct MPR with Auto-Batch feature, affording automatic real-time direct reconstruction and transfer of fully corrected

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		<p>multi-planar images, also allows users to move from routine 2D review to prospective 3D image review of axial, sagittal, coronal, and oblique planes while enabling automated protocol-driven batch reformats to be created and networked to their desired reading location.</p> <ul style="list-style-type: none"> o Dose Check provides users with tools to help them manage CT dose in clinical practice and is based on the standard XR-25-2010 published by The Association of Electrical and Medical Imaging Equipment Manufacturers (NEMA). o Dose Reporting: CTDIvol, DLP, Dose Efficiency displays during scan prescription and provides dose information. The CTDIvol, DLP, and Phantom size used to calculate dose is automatically saved once the user selects End Exam. DICOM Structured Dose Report generates a CT Dose Report, which can enable tracking of dose (CTDIvol and DLP) for the patient by the hospital radiation tracking system/RIS/HIS. o Scan mode: Helical Scan Speeds: Full 360 rotational scans: 0.35, 0.375, 0.40, 0.425, 0.45, 0.475, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0 second Helical Pitch (nominal): 0.516 to 1.531 Cardiac Pitch: 0.16 to 0.325 Selectable kV: 80, 100, 120, 140 Selectable mA: 10 to 560, 5mA increments Reconstruction Algorithms: Soft Tissue, Standard, Detail, Chest, Bone, Bone Plus, Lung, Ultra, Edge, Edge Plus o Scan Mode: Axial & Cine Scan Speeds: 0.35, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0, and 2.0 second full scans(360 acquisition). o Selectable kV: 80, 100, 120, 140 Selectable mA: 10 to 560, 5mA increments Scan Plane o Reconstruction Algorithms: Soft Tissue, Standard, Detail, Chest, Bone, Bone Plus, Lung, Ultra, Edge, Edge Plus Image Quality 0.28mm high resolution <p>PET/CT Operators Console</p> <ul style="list-style-type: none"> o Fully integrated PET and CT user interface o Direct Multi Planar Reformat delivers automated axial, sagittal, and coronal reconstruction with excellent image quality for PET and CT images of the patient data being acquired. Direct3D TM automatically builds 3D models during axial image reconstruction. o Volume Viewer: Environment for 3D processing of any CT, MR, 3D X-ray, and Pet/CT dataset. It provides exceptional tools for analysis, segmentation, measurements, annotation, filming, and

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2	1	<p>exporting of clinically relevant images. Volume Viewer seamlessly combines anatomical image review with PET quantitative measurement capabilities such as SUV.</p> <ul style="list-style-type: none"> o Freedom Workspace: Innovative hardware and software creates a convenient, ergonomic working environment. It offers sit/stand and horizontal/vertical monitor flexibility. It can also help reduce noise and heat with remote location of the console. o Two 19 -inch diagonal width high-resolution color monitors for image display, analysis, processing, and management of PET, CT, and PET/CT images. o Three button mouse with mouse pad o ImageWorks™ provides instant access to advanced image processing features such as CT Perfusion 4, Advanced Vessel Analysis, CardIQ Xpress Pro or Plus, AutoBone and DentaScan <p>PET/CT Service Features</p> <p>Each system is supported by GE's InSite™ remote diagnostics, iLinq™, and TiP Virtual Assist.</p> <p>InSite broadband – all hardware and software required to remotely connect this PET/CT system to GE's InSite On-Line Center via secure VPN high-speed Internet connections. Enables access to services designed to reduce downtime, improve quality, enhance performance, increase productivity, and expand imaging capabilities.</p> <p>* Trademark of General Electric Company.</p> <p>(1) In clinical practice, the use of ASiR-V may reduce CT patient dose depending on the clinical task, patient size, anatomical location, and clinical practice. A consultation with a radiologist and a physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task. Low Contrast Detectability (LCD), Image Noise, Spatial Resolution and Artifact were assessed using reference factory protocols comparing ASiR-V and FBP. The LCD measured in 0.625 mm slices and tested for both head and body modes using the MITA CT IQ Phantom (CCT183, The Phantom Laboratory), using model observer method.</p> <p>(2) Represents typical system performance</p> <p>Overlap reconstruction software appropriate for 64 and/or 128</p>

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		upgrades Overlap reconstruction software appropriate for 64 and/or 128 upgrades
3	1	<p>Q.Clear option</p> <p>Q.Clear is a full convergence iterative reconstruction technology designed to provide up to 2 times improvement in PET quantitation accuracy (SUVmean) with up to 2 times improvement in image quality (SNR) enabling accurate small lesion detection, fast and efficient reading and more confident diagnosis.</p> <p>Q.Clear upgrade for Discovery MI - DR products</p> <p>Pre-requisites:</p> <ul style="list-style-type: none"> o P5051SK SharpIR <p>Q.Clear upgrade for Discovery 710 products</p> <p>Pre-requisites:</p> <ul style="list-style-type: none"> o P5051SK SharpIR o P5051NL Q.Core + 1 o P5051NN Q.Core + 2 <p>Q.Clear Upgrade for Discovery 610 products</p> <p>Pre-requisites:</p> <ul style="list-style-type: none"> o P5051SK SharpIR o P5051NL Q.Core + 1
4	1	<p>SmartMAR (Metal Artifact Reduction) for Discovery MI DR</p> <p>Metal Artifact reduction (MAR) helps reduce photon starvation, beam hardening and streak artifacts caused by high Z materials in the body, such as hip implants. The clarity of MAR images is addressing the challenges posed by metal artifacts, helping clinicians accurately contour targets and critical organs.</p> <p>MAR offers:</p> <ul style="list-style-type: none"> • Exceptional image quality. MAR is based on the latest in GE Healthcare smart technology, which uses a novel three-step,

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		<p>sinogram-based iterative algorithm.</p> <ul style="list-style-type: none"> • Streamlined workflow. MAR requires only one scan, making the process of obtaining a corrected image fast and efficient. • Dose conscious. MAR requires only one acquisition. • Patient comfort. The efficient, single-scan process helps to reduce patient time inside the scanner. • Versatility. MAR is designed to enhance clarity across a range of images including scans of hip implants, dental fillings, screws and other metal objects.
5	1	<p>Q.Prepare option</p> <p>Q.Prepare is a new functionality introduced with Discovery IQ. Critical tool for the operator to perform Quantitative PET imaging, it is designed to facilitate the patient exam preparation.</p> <p>Q.Prepare offers the following functions:</p> <ul style="list-style-type: none"> • Ability to view parameters of prior exams • Compare prior parameters to current exams • Ability to pre-enter study information
6	1	<p>PET Gating option</p> <p>PET Gating acquisition option for Discovery products. Enables PET respiratory gating scan functionality.</p>
7	1	<p>Q.SUITE OPTION PKG</p> <p>A suite of innovative PET Quantitative tools from GE Healthcare designed to help clinicians generate more consistent PET measurements, and therefore assess treatment response more accurately than ever before.</p> <p>Q.Static: represents a starting point for adding motion correction techniques to your facility and the opportunity to build towards a full 4D phase-matched workflow. Without disrupting your standard static whole-body workflow, we're designing Q.Static to automatically isolate data when organs are in a low motion state, thereby correcting for motion across the entire chest or torso. The result is a single image series with reduced blurring</p>

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		<p>from organ motion, and therefore more consistent quantitation compared to a static image.</p> <p>Motion Match - Acquires and views fused gated PET and CT images on the console for: PET and CT respiratory and cardiac capability for motion analysis; PET and CT dynamic imaging for compartmental PET data model analysis and retrospective CT gating; and PET attenuation correction from CT diagnostic data, including dynamic and gated CT techniques for motion management.</p> <p>Q.Freeze combines the quantitative benefits of 4D phase-matched PET/CT imaging into a single static image that uses 100% of the counts collected in the acquisition. Combine with Q.AC to create 4D cine data for attenuation correction of PET images at low dose levels.</p> <p>Q.AC - Accurate attenuation correction is required for quantitative PET imaging. But in large anatomy imaging at low doses, the CT beam may not be strong enough to fully penetrate through the patient to the detector, potentially resulting in variations in attenuation measurements. Our next generation Q.AC algorithm is designed to reduce potential variance, helping to ensure that the attenuation coefficients used in image reconstruction are accurate. This may improve consistency even in the most clinically demanding circumstances.</p>
8	1	<p>COLUMBIA LONG LENGTH CABL</p> <p>COLUMBIA LONG LENGTH CABL</p>
9	1	<p>Medium length Chiller Cooling Hose Line</p> <p>50ft Medium Length Chiller cooling hose line. Recommended length to meet most siting room layouts.</p>
10	1	<p>Low Dose 5-Beat Cardiac with SnapShot Freeze and SnapShot Assist</p> <p>The Low Dose 5-Beat Cardiac with SnapShot Freeze and SnapShot Assist allows the user to acquire cardiac imaging exams with retrospective or prospective gated acquisitions</p>

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		<p>utilizing up to 0.35 second rotation speed for excellent cardiac exams.</p> <p>This package contains the following items necessary for CT Coronary Angiography:</p> <ul style="list-style-type: none"> - SmartScore acquisition (B7850PL) - SmartScore analysis (B79971JH) - ECG trace on the operator console (B7864KC) - Cardiac Enhance filter (B7864KD) - CardIQ Snapshot (B7710Ls) - SnapShot Pulse (B7864AA) - SnapShot Assist (B7877FB) - SnapShot Freeze (B7877FA) <p>ECG monitor, CardIQ Xpress Reveal 2.0 and AW are NOT provided with this package.</p> <p>The SnapShot Freeze motion correction package includes a comprehensive solution to correct for the problems of motion that may occur in cardiac imaging.</p> <p>SnapShot Freeze:</p> <p>An intelligent motion correction algorithm, which is designed to reduce blurring of coronary arteries due to motion artifacts. Characterizing the vessels' motion path and velocity from adjacent cardiac phases on a vessel-by-vessel and segment-by-segment basis does this. This information is then used to calculate the coronary artery vessel position at the target phase. Utilization of SnapShot Freeze in clinical practice may assist the physician's diagnostic interpretability of coronary CTA by reducing the burden of non-diagnostic segments.</p> <p>Using a mechanical heart phantom it was shown that SnapShot Freeze reduces motion artifacts up to 6X, equivalent to a 0.058s equivalent gantry rotation speed with effective temporal resolution of 29ms*.</p>

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		<p>SnapShot Pulse</p> <ul style="list-style-type: none"> o Prospectively gated cardiac scanning technique that helps reduces patient dose by up to 83%, and improves cardiac workflow, with excellent image quality. In essence, the technique captures a complete picture of the heart using a series of three to four snapshots taken at precise patient table positions and precisely gated (relative to conventional cardiac CT acquisitions). <p>SnapShot Pulse helps improve workflow by reducing the size of image set to be reconstructed, reviewed and post processed. A typical SnapShot Pulse series consists of 280 to 400 images, compared with up to 3,000 images in a typical helical cardiac scan series. Since there's a smaller number of images to reconstruct, SnapShot Pulse takes less time, yet still delivers the same amount of information as a helical cardiac exam.</p> <p>SnapShot Imaging</p> <ul style="list-style-type: none"> o Retrospectively gated helical gated cardiac scanning technique used to acquire ECG gated CT images of the coronary arteries when prospective gating can't be used. o SnapShot imaging option allows users to acquire cardiac images of patients using the following cardiac imaging techniques: <ul style="list-style-type: none"> (1) Retrospectively EKG-gated helical scanning method - SnapShot: primarily used for cardiac morphology imaging, with this technique, cardiac images of single or multiple cardiac phases at any given Z-axis location can be acquired and generated. (2) EKG-gated Multi-slice CINE Scan mode: used primarily for coronary artery calcification scoring (CACS) studies or for cardiac morphology Imaging. <p>Once a specific imaging model is selected, helical pitch and/or gantry rotation speed will be automatically selected for optimal scan coverage and image quality.</p>

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		<p>SnapShot Assist:</p> <ul style="list-style-type: none"> o Helps users Optimize ECG-gated CT acquisitions based on patient heart rate characteristics. SnapShot Assist uses the patient's recorded heart rate information to display scan parameters (including scan mode, cardiac phases, padding and pitch) that could be used during the cardiac CT scan. SnapShot Assist generates a cardiac scan parameter recommendation using the patient's ECG analysis and user defined protocol selection algorithm. <p>It uses the patient's recorded heart rate information to predict the heart rate behavior during a CCTA scan to assist the user with optimization of the parameters on a per-patient basis. Acquisition parameters displayed include scan mode (Cine SnapShot Pulse, Helical SnapShot Segment, etc.), cardiac phases, padding, and pitch. User Profiles define scan parameters within the heart rate and variability categories for a specific patient group and cardiac scan mode.</p> <p>ECG Trace</p> <p>The ECG trace provided by the ECG monitor will be displayed on the operator's console with this option.</p> <p>ECG Editor:</p> <p>The ECG Editor allows the user to retrospectively modify trigger points identifying R-peaks on ECG trace as displayed on the console. The capability may improve successful cardiac acquisition rate by enabling users to perform the modification in the cases with irregular heartbeat or suboptimal triggers.</p> <p>Cardiac Enhance:</p> <p>Cardiac Enhance Filters provides users the capability to reconstruct filtered images using three steps of noise (pixel noise standard deviation) reduction for helical and axial cardiac</p>

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		<p>imaging, which may allow a reduction of mA while maintaining an acceptable level of image performance.</p> <p>ECG Dose Modulation:</p> <p>ECG gated dose modulation reduces patient dose by modulating x-ray technique during acquisition based on heart phase.</p>
11	1	<p>PET CARDIAC PACKAGE</p> <p>The PET Cardiac Package allows the user to acquire a cardiac PET exam. This package contains the following items necessary for PET cardiac study:</p> <ul style="list-style-type: none"> - PET Cardiac Gating capability (P5051LH) - Cardiac PET ACQC (P5051LE) - Cardiac VUE (P5051LV) <p>ECG monitor and AW are not provided with this package.</p> <p>Attenuation Correction Quality Control ensures proper cardiac registration in PET and CT, particularly useful in Cardiac stress rest PET/CT application. Mis-registered PET and CT attenuation correction data due to organ motion may be re-aligned and reconstructed again to try and recover proper PET attenuation correction to help avoid CT AC re-scans.</p>
12	1	<p>Advantage 4D for AW</p> <p>Advantage 4D</p> <p>Requires AW VolumeShare5 or higher, and Advantage 4D hardware.</p> <p>Advantage 4D is a non-invasive software option that can be used to provide and display CT CT images of all phases of a breathing cycle for the evaluation of respiration-induced motion. The software will allow the user to retrospectively define the optimal respiratory phase from an image quality standpoint, and group images by the phase selected.</p> <p>It performs the following functions:</p>

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		<ul style="list-style-type: none"> • Examines the motion profile generated by the vendor devices • Sorts images by the phase of the respiratory cycle. Generates multiple phase series for 2D, 3D and 4D viewing • Automatic (Auto4D mode) or manual processing • Measurement of motion extent <p>Requires VolumeShare5 or higher, and Advantage 4D hardware.</p> <p>All software packages are Non-Transferable to other hardware and are Non-Returnable.</p>
13	1	<p>Perfusion 4D Neuro option</p> <p>CT Perfusion 4D Neuro Package is an image analysis software package that allows the evaluation of dynamic CT data following an injection of a compact bolus of contrast material, generating information with regards to changes in image intensity over time. The software provides a quick and reliable assessment of the type and extent of cerebral perfusion disturbances by providing qualitative and quantitative information on various perfusion related parameters, which may be related to acute stroke, brain tumor angiogenesis and treatment thereof. The key perfusion parameters that CT Perfusion, 4D Neuro Package generates are:</p> <ul style="list-style-type: none"> • Regional Blood Volume (BV; ml/100g) • Regional Blood Flow (BF; ml/min/100g) • Regional Mean Transit Time (rMTT;s) • Capillary Permeability Surface Area Product (PS) • Time of Arrival (IRF T0) • Transit Time to IRF Peak (Tmax;sec) <p>The user now has the ability to visualize all the information in true volumetric form. Additional elements of Perfusion 4D include Smart Map, a new algorithm that improves the image quality of the functional maps in the presence of noise.</p> <p>Perfusion 4D also includes a new streamlined workflow for Tissue Classification. Tissue Classification may aid the clinician in determining the status of the tissue based on blood volume and one of blood flow, mean transit time, or Tmax.</p>

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14	1	<p>Productivity is enhanced through the protocol driven design of the user interface. An example of this is the Brain Stroke Protocol (Automatic) that completes the processing with one touch reducing the time required to process the exam and to enhance repeatability.</p> <p>System requirements: VolumeViewer on the Console - B7870JA</p> <p>Advanced Vessel Analysis Xpress option</p> <p>CT AVA is a Highly Automated Software Post Processing Package for the CT Operator's Console. It is an Additional Tool for the Analysis of 3D Angiography Data Providing a Number of Display, Measurement and Batch Filming/Archive Features to Study User-Selected Vessels Which Include Stenosis Analysis; Pre/Post Stent Planning Procedures and Directional Vessel Tortuosity Visualization.</p> <p>Clinical Benefits</p> <ul style="list-style-type: none"> • Decreased Operator Dependence: Currently there is Heavy Operator Dependence to Produce True Vessel Cross Sections and Vessel Profiles. This Software Eliminates the Need for the Operator to Manually Identify the Center of the Vessel. • Automated Batch Filming and the Ability to Rotate Around a Vessel, Reduces the Risk of Overlooking Vascular Structures. • Quick AVA - Two click vessel analysis • Measurement Tools: Quantitative Information on User-Selected Vessel Segments , Aids in the Proper Selection of Prosthesis • Distances to Bifurcations or Other Landmarks are Critical for Clinical Decisions • Increased Value of Reports: A Single Report Provides a Complete 3D Context; Measurements Cross-References and 3D Views. Consistency in the Format and Style of the Reports Also Help Referring Physicians. <p>Productivity Benefits</p> <ul style="list-style-type: none"> • Decreased Time to First Clinically Relevant Image:

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15	1	<p data-bbox="602 411 1271 548">Automatic Centerline Detection Provides a Quick 3D Value Understanding of a Selected Vessel. The Anatomy Becomes Visible Once Two Points Identifying the Section of Interest Have Been Defined.</p> <ul data-bbox="561 558 1182 590" style="list-style-type: none"> • Background Auto-Filming: Replaces Manual Filming. <p data-bbox="540 611 1248 642">System Requirements: VolumeViewer on the Console - B7870JA</p> <p data-bbox="540 674 873 705">VolumeShuttle for CT systems</p> <p data-bbox="540 726 1081 1146">VolumeShuttle innovatively provides the 80-mm of coverage necessary for accurate dynamic neuro angiographic and perfusion studies with a single contrast injection. GE's exclusive real-time scan control, system architecture, and fast, smooth table acceleration and deceleration enable the patient to be effortlessly shuttled back and forth between two adjacent axial locations, with minimal inter-scan delay.</p> <p data-bbox="540 1167 1049 1283">The GE CT Scanner system uniquely designed to make it all possible - as a result of these key scanner attributes:</p> <ul data-bbox="540 1304 1032 1461" style="list-style-type: none"> o The 40-mm high resolution V-Res detector with micro voxel technology. o Real-time system controls to precisely control table movement and X-ray control. <p data-bbox="540 1482 1109 1776">VolumeShuttle provides the wider coverage margin needed to allow for patient variability in the Circle of Willis (80mm) and from the basal ganglia to lateral ventricles (>60mm) - all with the existing 40-mm-wide detector and without the multiple contrast injections necessary with today's standard CT systems.</p>

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16	1	<p>2M Scan Range option</p> <p>2 meter scan option</p> <p>The system can perform a full 2 meter acquisition of both CT and PET data, through the use of a cradle extender and specific acquisition protocols.</p>
17	1	<p>Rear Lasers / Gantry Display</p> <p>Rear Gantry Control Panels, Rear Cover Display and Rear Laser Landmark for Discovery MI PET/CT scanner.</p>
18	1	<p>Bright Box trackball control</p> <p>The Bright Box trackball is a separate piece of hardware that is used to review images without having to use the system mouse or keyboard. Use the Bright Box trackball to review images while someone else uses the mouse and keyboard to set up or continue the scan series.</p>
19	1	<p>PET Adjustable Desk</p> <p>Adjustable Desk for PET/CT console.</p>
20	1	<p>Chair</p> <p>Chair for CT scanner</p>
21	1	<p>CT Service Cabinet</p> <p>Service cabinet for system accessories storage</p>
22	1	<p>DIACOR RTP Flat Tabletop for CT and PET/CT Systems - RT16, DVCT, Disc 600/690, HD750 and VCT</p> <p>DIACOR RTP Flat Tabletop for CT and PET/CT Systems- RT16, DVCT, Discovery PET/CT 600, 610, 690, 710, HD750, and VCT</p> <p>Diacor Radiation Therapy Planning Overlay For GE Healthcare Global Tables, Model 1700, 2000 and PET/CT</p> <p>The Radiation Therapy Planning Overlay, or "CT Overlay", provides a secure flat surface for CT Simulation applications, consistent with the treatment couch, for accurate and reproducible patient positioning.</p>

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		<p>FEATURES/BENEFITS</p> <ul style="list-style-type: none"> o Carbon fiber construction with foam core provides durable, light-weight device with outstanding imaging properties o Varian Exact Technology and Indexing Immobilization Patient Positioning system along entire length of the overlay o Designed specifically for GE Healthcare's Global Table o Easily locks and unlocks from the CT Table, providing easy transition between therapy and diagnostic procedures <p>INCLUDED:</p> <ul style="list-style-type: none"> o Carbon Fiber CT Overlay with locking accessories o Two Varian Exact Couch Indexing Bars o One Varian Respiratory Gating Interface Plate and associated mounting hardware <p>SPECIFICATIONS:</p> <p>Weight: 30 lbs. (13.61 kg) Length: 85.25 in. (217.17 cm) Width: 20.87 in. (53.0 cm) Height: 1.62 in. (4.12 cm)</p>
23	1	<p>Varian RGSC - Respiratory Gating for Scanners, configured for couch mounting with Installation - US only</p> <p>Varian RGSC - Respiratory Gating for Scanners, configured for couch mounting with Installation - US only</p>
24	1	<p>RGSC Camera Mount for PET Global Table</p> <p>RGSC Camera Mount for PET Global Table</p>
25	1	<p>PET Annulus Phantom – DQA (Daily Quality Assurance); for Signa PET/MR, Discovery IQ series , Discovery MI, MI-DR</p> <p>PET Annulus Phantom – DQA (Daily Quality Assurance); for Signa PET/MR, Discovery IQ series , Discovery MI, MI-DR</p> <p>The PET Annulus DQA (Daily Qualified Assurance) imaging phantom for the Discovery IQ PET system or SIGNA PET/MR system is a uniform solid suspension of Ge-68 encased and sealed in an annular, black plastic shell.</p> <ul style="list-style-type: none"> • Recommended for accurate calibration of your PET detector and easier quality control • Designed to be held in place during use by standard source holders provided with scanning equipment

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		<ul style="list-style-type: none"> No mechanical maintenance is required <p>When a new phantom or pin source is purchased, the e-cat will include a Used Source Return Kit, intended for the immediate return of the depleted source(s) replaced. Note the following condition:</p> <ul style="list-style-type: none"> Cost to the customer is the return freight Return kit has an RA# that is good for 6 months, before expiration. Returns after 6 months subject to additional charges
26	1	<p>PET/CT VQC Volumetric Quality Control Phantom for Discovery, IQ 3-ring (15 cm), IQ 4-ring (20 cm) , IQ 5-ring (25 cm), Discovery 710, 610, 690, 600, Discovery MI/MI-DR, Optima 560</p> <p>VQC Phantom</p> <p>PET/CT VQC Volumetric Quality Control Phantom for Discovery, IQ 3-ring (15 cm), IQ 4-ring (20 cm) , IQ 5-ring (25 cm), Discovery 710, 610, 690, 600, Discovery MI/MI-DR, Optima 560</p> <p>When a new phantom or pin source is purchased, the e-cat will include a Used Source Return Kit, intended for the immediate return of the depleted source(s) replaced. Note the following condition:</p> <ul style="list-style-type: none"> Cost to the customer is the return freight Return kit has an RA# that is good for 6 months, before expiration. Returns after 6 months subject to additional charges
27	1	<p>PET Annulus Phantom Shield Container - DQA Safe</p> <p>Wheels feature swivel castors for easy mobility and wheel locks for added stability.</p> <p>Lid features a handle for easier opening.</p> <p>Spring loaded covered hinge assists when lifting the lid.</p> <p>Container latch seals the phantom inside to ensure radiation gaps are eliminated.</p> <p>Latch includes option to use a padlock to secure the phantom in the container.</p> <p>Gusset holes allow the facility to secure the shield to the site with a chain or cable.</p>

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28	1	<p data-bbox="540 405 1203 506">The container's interior walls feature a soft plastic for easier insertion and removal of the phantom. Weight - approximately 300 lb / 136 kg.</p> <p data-bbox="540 537 1222 564">CT Main Disconnect and UPS Control 380-480V 50 60Hz 110A</p> <p data-bbox="540 590 1195 653">Main Disconnect Panel (MDP) UL 110A 400/480V 50/60Hz 3 phases for CT, PET and PETCT</p> <p data-bbox="540 663 1256 1377">The (Main Disconnect and UPS Control Panel serves as the main facility power disconnect source installed ahead of the CT system PDU. On systems where the optional partial system UPS is included in the system, the panel provides NEC mandated UPS emergency power-off control function via a UPS control cable included with the UPS. The optimized design PDB saves time, installation labor, and valuable mounting space by consolidating the main circuit breaker, control power source and required warning lights into a compact factory manufactured panel. The panel provides short circuit protection, overload protection and National Electrical Code and Canadian Electrical Code required emergency shutdown for the system. The 24-volt low voltage controls all power, using either the panel cover mounted EMERGENCY OFF push button or the remote EMERGENCY OFF push button included with each system. The PDB is painted to match the imaging system for a total coordinated system appearance. Available in a combination surface\semi-flush mounted enclosure. The system provides stock availability of otherwise special-order devices, saving time and installation costs.</p> <p data-bbox="540 1388 631 1415">Benefits</p> <ul data-bbox="540 1430 1256 1806" style="list-style-type: none"> <li data-bbox="540 1430 1256 1566">• The System Main Disconnect saves time, installation labor, and valuable mounting space by consolidating the main circuit breaker, the feeder overcurrent devices, magnetic contactors and UPS emergency power-off into one compact panel <li data-bbox="540 1581 1159 1644">• The system provides stock availability of otherwise special-order devices, saving time and installation costs <li data-bbox="540 1659 1243 1764">• Reduces installation time and cost by eliminating delays in obtaining individually enclosed components and by eliminating on site assembly <li data-bbox="540 1778 1222 1806">• UPS emergency power-off functions are included for future,

Item No.	Qty	Description
		<p>partial system UPS addition.</p> <ul style="list-style-type: none"> • Disconnects system power on first loss of incoming power, preventing damage to system components • Provides a standardized platform for UPS or other future GE engineered modifications or upgrades • Main power disconnect operating handle can be padlocked in the OFF position for servicing safety and OSHA lock out/tag out • The door has provisions for padlocking • Enclosure door is interlocked with ON / OFF disconnect handle to prevent unauthorized access if disconnect is in the ON position <p>Features</p> <ul style="list-style-type: none"> • Optional partial system UPS provides clean uninterrupted power to the system computer, maintaining system integrity during power loss while also providing a solution to power quality problems • UL, cUL listed, and CE labeled • Supplied with low voltage, cover mounted Push to Stop, Twist to Restore pushbutton and long-life LED pilot lights • Provides overcurrent and short circuit protection with GE GuardEON solid-state circuit breakers • Suitable for use on systems with 25,000A of short circuit current. It is the installer's responsibility to verify that the available short circuit current is 25,000A or less for compliance to all electrical codes • Emergency-off disconnects power to both the PDU and optional partial system UPS output, per National Electric Code • Factory wired and tested • All devices are selected for high reliability and long life • Panel disconnect provides OSHA lockout / tag out provisions <p>Remote EPO</p> <ul style="list-style-type: none"> • This MDP comes with two normally closed contact blocks attached to the back of the emergency off push button. <p>Seismic Specifications</p> <ul style="list-style-type: none"> • This Panel has been certified by an independent California structural engineer in conformance with the shake testing requirements of ICC-AC 156. The California OSHPD number is

Item No.	Qty	Description
29	1	<p>OSP-0457-10.</p> <ul style="list-style-type: none"> • The seismic performance characteristics are as follows: SDS(g) # 2.56; z/h # 1.0 ; Ip # 1.5 <p>Physical Characteristics</p> <ul style="list-style-type: none"> • Dimensions: Height x Width x Depth: 24 x 16 x 7 inches (610 x 407 x 178 mm) • Handle depth: 2.75 inches (70 mm) • Weight: 46 pounds (21 kg) <p>Components supplied with each panel</p> <ul style="list-style-type: none"> • The Main Disconnect and UPS Control Panel • An Installation, Operations & Service Manual • (2) sets of Emergency Power Off pushbuttons with 2NC on each EPO • Drawings and Electrical Schematics <p>14 KVA 3-Phase Partial UPS for VCT</p> <p>The 14KVA Partial UPS has been specifically designed to coordinate with GE Healthcare CT & PET/CT scanners. In the event of a power outage a partial system UPS provides continuous backup power to the scanner host and control computers, thus assuring no loss of usable scan data.</p> <ul style="list-style-type: none"> o Critical circuits in the gantry and table remain powered which facilitate the safe removal of the patient from the scanner. o If power is restored within the battery hold-up time, the operator can continue scanner operations without the need to reboot the system. o When longer power outages are anticipated, the UPS provides time for the operator to safely remove the patient and complete an orderly shutdown of the system software o Maintains system electronics and allows

Item No.	Qty	Description
		<p>critical scanner operations to continue for 10 minutes (typical) after loss of power</p> <ul style="list-style-type: none"> o Protects electronics from under voltage, brownouts, line sags, over voltage and transients <p>SPECIFICATIONS</p> <ul style="list-style-type: none"> o Dimensions (H x W x D): 49" x 12" x 32" o Weight: 620 lbs. o Output Frequency: 50 or 60 Hz, auto-sensing <p>NOTE: ITEM IS NON-RETURNABLE AND NON-REFUNDABLE</p> <p>NOTE: REMOVAL/DISPOSAL OF OLD UPS IS THE CUSTOMER'S RESPONSIBILITY</p> <p>NOTE: INSTALLATION AND RIGGING IS NOT INCLUDED</p> <p>NOTE: CONTACT GE SERVICE OR EATON FOR START-UP ASSISTANCE</p>
30	1	<p>Ivy 7800 Cardiac Monitoring Kit</p> <p>The Model 7800 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 7800 displays two simultaneous ECG vectors along with the patient's heart rate. 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, 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>

Item No.	Qty	Description
		<ul style="list-style-type: none"> o Impedance Measurement: Measures Impedance between the patient's skin and each individual ECG electrode o Automatic operation: After patient cables are connected and the monitor is receiving an ECG signal, the monitor finds the peak of the R-wave and generates synchronization pulses o Bright TFT active matrix 8.4 in. color touch screen LCD with a wide viewing angle and large heart rate characters enhance visibility of patient data o Polarity lock helps reduce the number of false triggers when tall T waves or deep S waves occur o Color trigger mark indicates timing of each trigger pulse with respect to the ECG o System interlock function indicates proper connection with the imaging device o Integrated USB Drive - allows user to store and retrieve ECG events for retrospective analysis o Auto-notch selects the correct ECG notch filter. This reduces interference on the ECG signal <p>The Kit includes: Cardiac Trigger Monitor; set of 4 RT lead wires - 30 in, low noise patient cable - lead, Ethernet Internet cables, ECG adult electrode (box of 40), cord-set hospital grade (12ft), NuPrep Gel, USB Memory Stick, Recorder Paper, Roll Stand for 7000 series and IPC cable.</p>
31	1	2 TB USB EXT HARD DRIVE 2 TB USB External Hard Drive Provides a user-accessible means of transferring list data to

Item No.	Qty	Description
		<p>alternative storage, to permit keeping the data while freeing scanner resources for additional patients.</p> <p>The USB external hard drive will provide storage of 2 terabyte and interface with GE Healthcare Global Operator Consoles via USB 3.0 interface that provides up to 10 times faster data transfer rates compared to USB 2.0 interfaces.</p> <p>USB 3.0 is backward compatible with USB 2.0</p>
32	1	<p>CT Footswitch Slicker - 2000 & 1700 Systems</p> <p>CT Footswitch Slicker - 2000 & 1700 Systems</p> <p>The footswitch slicker for CT VCT 2000 and 1700 systems is made of durable, clear PVC plastic that protects the footswitch and facilitates faster, more thorough cleanup of contamination caused by blood and other body fluids. Cover is held securely in place with Velcro...H</p>
33	1	<p>Slicker Cushion for PET GT Table</p> <p>Slicker Cushion for PET GT Table</p> <p>Slicker for PET Discovery VCT, Discovery PET/CT 610, 690, and 710</p> <p>Slicker Cushion Table Systems are comprised of cushion pads permanently encapsulated in clear, micro matte vinyl protective cover system and various accessories. Each Slicker cushion in a lined foam cushion that is permanently welded inside the clear Slicker cover. The cover minimizes contamination of the cushion and the underlying table by preventing penetration by any fluid or other contaminant.</p> <p>FEATURES/BENEFITS</p> <ul style="list-style-type: none"> o Built using heavy, clear, micro matte vinyl, polyurethane foam, and top grade hook and loop tape to exactly fit the specified table. Expected life is between 1 to 2 years depending on usage. o Designed for easy cleanup and disinfection using standard bleach solutions. <p>SPECIFICATIONS</p> <ul style="list-style-type: none"> • Dimensions: 110.5" L x 18" W x 1" Thick (with 6" flap on each

Item No.	Qty	Description
		side)
34	1	<p>Discovery PET/CT Advanced Training Package (New PET/CT Users)</p> <p>Discovery PET/CT Training Package (New PET/CT Users) Training designed for users new to PET/CT. 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 remote, onsite and HQ-based training. Package includes up to 20 days onsite, 2 HQ classes, 16 hours of remote training, and 10 consecutive weeks of Virtual Onsite Trainer (VOT) instruction up to 40 hours.</p> <p>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.</p>
35	1	<p>Standard sce pack L3 W</p> <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 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>Discounted Configuration Price</p>

Discovery PET STE VCT, SID: 615327VADS

Options

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Item No.	Qty	Description
36	1	<p>Discovery MI 5 ring Q.Freeze option</p> <p>Part of the new Q.Suite, Q.Freeze combines the quantitative benefits of 4D phase-matched PET/CT imaging into a single static image that uses 100 of the counts collected in the acquisition. Combine with Q.AC to create 4D cine data for attenuation correction of PET images at low dose levels.</p>
37	1	<p>Xtream Injector Interface kit - Class IV</p> <p>Cabling and CT Scanner software required for use with Integrated Injectors.</p>
38	1	<p>MEDRAD Stellant D DualFlow ISI-ready on ceiling mount (85cm post length) with Certegra Workstation and ISI900G CT communication kit</p> <p>GE Healthcare now offers the Medrad Stellant D injector with Certegra workstation. The dual syringe CT injection system is reliable and easy to use. It features saline flush and DualFlow capabilities allowing users to test vein accesses with saline, and prime patient tubing with saline to save contrast. Medrad Stellant D CT Injection System users are armed with:</p> <ul style="list-style-type: none"> • Automation features to help maximize throughput: integrated auto load, auto retract, auto prime and auto syringe sensing • Save up to 250 protocols • Quick, easy install and detachment • Check for air confirmation button and arming on the injector head

Item Qty No.	Description
	<ul style="list-style-type: none"> • Pressure monitor graph and flow profile preview • Up to 6 phases including pause and hold capabilities • Programmable pressure limit • Colour touch screen • Either ceiling counterpoise or pedestal-mount configurations <p>Certegra Workstation</p> <p>From study set-up and preparation to study administration and results management, the Certegra Workstation serves as a workflow-centralized technologist interface to help users enhance efficiencies and patient care, enabling options such as P3T 2.0 (Personalized Patient Protocol) software environment.</p> <p>The benefits of DualFlow (simultaneous injection of contrast and saline)</p> <ul style="list-style-type: none"> • Provide more uniform attenuation of the right and left ventricles • Minimize artefacts by achieving proper attenuation levels • Visualize the right coronary arteries and right ventricles in a single study by achieving more uniform attenuation <p>MEDRAD Stellant D Certegra injector with Integrated CT Communication</p> <p>Designed to save time and increase CT scan throughput, the MEDRAD Stellant D with Certegra Workstation is validated for use with GE's Enhanced Xtream Injector option on selected scanners - enabling CAN Class 4 functionality for seamless communication. The resulting injector and CT scanner integration benefits include:</p> <ul style="list-style-type: none"> • Reduced overall programming time • Improved scanner and injector protocol matching through programming of the injector from the scanner console

Item Qty No.	Description
	<ul style="list-style-type: none"> • Better control over contrast injection procedure with a synchronized CT scan start time. A single button-press on the scanner starts both the injector and scanner • Preview injection parameters before beginning the scan • Complete post-study reviews of injection results at the scanner console • Automatic documentation of the injection results in PACS System <p>Ceiling-mount configuration includes:</p> <ul style="list-style-type: none"> • Dual injector head on Overhead Ceiling Counterpoise • Syringe heat maintainer • Certegra Workstation with USB drive • DualFlow software • ISI-ready software • ISI900G CT communication kit • Base control unit • 22.8 m (75 ft) head extension cable • 7.6m (25 ft) base to display cable • Power cord, North America • Power cord, international • Product information package • Operations manual • Installation, customer's operational training at time of installation, and one year full on-site warranty in Bayer service countries <p>System Specifications</p> <ul style="list-style-type: none"> • Flow Rate (range & increments): 0.1 to 10 ml/sec in 0.1 ml increments • Volume (range & increments): 1 ml to syringe capacity in 1 ml increments • Programmable Pressure Limit 200 ml syringe: 325 psi, 2241 kPa

Item Qty No.	Description	Ext Sell Price
	<ul style="list-style-type: none"> • Scan delay: 0-300 seconds (5 minutes) in 1 second increments • Pause: 1-900 seconds (15 minutes) in 1 second increments • Hold: maximum HOLD time is 20 minutes • Syringes (volume capacity): 200 ml sterile disposable syringe • Number of phases: 6 • Number of protocols: 250 • Electrical Requirements (VAC/Hz): 100-240 VAC, 50/60 Hz • Syringe Heat Maintainer Range: 35 °C +/-5, 95 °F +/-9 • Dual Injector Head: 15.5 cm (6.1") H x 30.7 cm (12.1") W x 36.8 cm (14.5") D, 8.1 kg (17.0 lb) without syringe • Certegra Workstation (CWS): 34.2 cm (13.5") H x 40.0 cm (15.8") W x 30.0 cm (10.2") D, 8.0 kg (17.6 lb) • Base Unit: 29.2 cm (11.5") H x 27.9 cm (11.0") W x 22.2 cm (8.8") D 	