

## Captus® 4000e Thyroid Uptake System

### New Features

- New and improved color touch screen user interface
- Large 20 inch All-In-One touch screen computer
- *Optional* fully integrated DICOM interface for patient data, QC and wipe tests
- Custom Protocol capabilities
- Ergonomically designed mobile stand
- Articulating Arm with Wide Range of Motion
- Medical Grade Corian® Countertop with document storage shelf
- Secure Neck Phantom Storage Location
- Source holder for reproducible QC positioning

### Specifications:

#### Hardware Features:

##### Thyroid Uptake Stand:

- Adjustable height PC stand, left or right side mounting
- Articulating arm with 34" vertical range of travel and 220° collimator rotation
- Neck phantom storage
- QA source holder for reproducible geometry
- Protective cable management system
- Fully protected internally routed cables
- (4) Heavy duty locking casters that swivel 360°

##### Computer:

- 20" All In One Touch Screen Flat Panel Computer
- Windows® Operating System

##### Printer:

- Color Ink Jet

##### Collimator:

- 2" diameter 14 pin NaI (TI) detector with 1.55" deep and .66" diameter well

##### MCA Interface PC Board:

- Two detector input
- 1024 channels
- Maximum count rate: 200,000 cps at 5%
- Count Rate Linearity-Within 2% up to 150,000 cps
- ROIs - manual or automatic
- Differential Linearity <2% over the top 98% of channels
- Integral Linearity <1% over the top 98% of channels
- Presets: live time, real time, total counts
- Automatic peak finding
- Software controlled lower level discriminator

##### Power:

- Line Voltage: 120 VAC, 60Hz, 2.6 AMP; 230 VAC 50Hz, 1.1 AMP
- Isolation Transformer with hospital grade cord and plug

Includes: .5 µCi Cs-137 and .5 µCi Eu-152 Rod Sources

Warranty: Two Year - US Only



### Thyroid Uptake Stand Dimensions:

- Closed Storage Position: 56" Height x 28" Width x 32" Depth
- Arm able to extend 36" horizontally beyond shelf
- Vertical travel 25" to 63"
- Weight: 340 lbs
- Weight with optional 1" Shielded Well: 410 lbs
- Weight with optional 2" Shielded Well: 540 lbs

### Software Features:

#### Diagnostics and Tests:

- Fully automated Quality Assurance Section includes energy calibration, zero adjust, gain adjust, detector efficiency, detector resolution, chi-square, constancy and MDA
- Manual calibration available in MCA module

#### Thyroid Uptake:

- Provides four predefined protocols
- Supports both capsule and liquid dose formats
- Dose may be pre-counted before patient assignment
- Predose measurement option
- Normal range option

#### Wipe Tests:

- Setup for multiple groupings
- Isotope identification available;
- Spectrum is displayed for each wipe
- Activity exceeding trigger levels flagged in red

#### Bioassay:

- Monitors staff for I-123, I-125 and I-131 exposure
- Custom protocol and reports available

#### Optional DICOM Interface



5430-30151 Captus 4000e Thyroid Uptake System without Well Counter

Includes: Fully functional 1024 MCA which includes timed activity

20" all-in-one touch screen computer

Ink jet printer

Improved graphical touch screen user interface

Ergonomically designed stand

Fully articulating collimator arm for easy positioning

Medical grade Corian® countertop with convenient shelf for document storage

Cs-137 and Eu-152 rod sources and rod source holder

5430-30152 Captus 4000e, with 1" Lead Well Detector

5430-30154 Captus 4000e, with 2" Lead Well Detector

### Optional Accessories:

006-350 Wipe Test Kits, 1.75" dia, 500/pkg

5230-0038 Thyroid Uptake Neck Phantom

5420-0087 Test Tubes for Wipe Samples, 100/pk

5430-00007 Cap-DICOM Software