

THYROID UPTAKE SYSTEM

- *Extremely easy to use*
- *“Quick Start-Up” feature*
- *“Fly Over” control bars*
- *No hidden menus*
- *Improved thyroid uptake and wipe test reports*
- *Includes a graph of uptake percentage versus time*
- *Wipe Test module allows for pre-set wipe location groups and user defined groups*
- *Improved Quality Assurance functions*
- *Redesigned MCA function with pre-set isotope windows*
- *360° Articulating Spring Arm*

DIAGNOSTICS & TESTS

Quality Assurance Section includes zero adjust, automatic gain adjust, detector energy calibration, resolution, chi-square, constancy & MDA – automatic efficiency calculation and storage.

Thyroid Uptake Section allows entry of patient demographics and procedure protocol. The standard may be measured at each uptake or automatically decay-corrected by the software. The number of uptakes performed on patients is user-defined with the software calculating each uptake and storing that information on the computer hard disk or printing it in report form.

Wipe Testing is state-of-the-art with a simple, menu-driven format. The system will perform a peak search on each wipe, identifying any contamination by peak and by nuclide. The user decides how many wipe locations are entered; there are no location limits. Trigger levels may be selected or a user-specified limit set to flag wipes above a certain activity level. Wipes may be grouped by location.

The Blood Volume section offers both I-125 and Cr-51 methods with step-by-step guidance through the counting procedure and automatic calculation of the results.

Red Blood Cell Survival is an added feature. In the Cr-51 test, the user is provided with a graphic and numeric representation of the red-cell half life. There is automatic correction for nuclide decay during the test period.

Bioassay for Staff allows counting of personnel with only one neck count. Staff records, as with other tests results, are maintained and archived on the computer hard drive and/or through printed records.



The Captus 3000 combines a totally new software package with the latest PC technology to create a Thyroid Uptake System that is fast, reliable, and extremely easy to use. The system utilizes a full function 1024 channel Multi-channel Analyzer (MCA). The entire software package utilizes “Fly Over” control bars to allow quick access to all functions.

The Captus 3000 comes equipped with a “Quick Start-Up” feature that walks the user through all program setup functions. This feature will have you performing patient studies in no time. The “Quick Start-Up” feature also serves as a training tool for additional users.

The software program provides fast, dedicated modules for Thyroid Uptake, Wipe Tests, Schilling Test, Dicapac®, Blood Volume RBC Survival and Bio-Assay. The MCA module has a library of over 90 preloaded isotopes and adjustable Region of Interests for easily reproducible counting parameters.

Quality Assurance is automated with a new Minimum Detectable Activity Function. Constancy, Calibration and Chi Square functions are easy to perform. System calibration is simple and automatic on the Captus 3000 with the use of Cs-137 and EU-152 reference sources. The reference sources are included with the system.

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CAPTUS® 3000 THYROID UPTAKE SYSTEM



Captus 3000 Tabletop Thyroid Uptake System with Well.



Captus Wall Mount.

SPECIFICATIONS:

Two Detector Input 2" NaI (TI):

- Flat field collimated to meet ANSI N44.3-1973
- Drilled well with 1" lead shielding and brass liner to absorb back scatter (Optional 2" shield available)

Multi-channel Analyzer Interface PC Board:

- 1024 Channels
- Maximum count rate 100,000 cps
- ROIs automatic or manual
- 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

Printer:

- Standard Color Ink Jet Printer

Thyroid Uptake Stand:

- Rugged floor stand with articulating arm and shelves for Captus 3000 and printer
- Four heavy duty locking casters that swivel 360°
- Base designed to hold Well Detector
- Base is weighted to eliminate tip-over hazard
- Isolation transformer for patient and user safety

Power Requirements:

- Standard 115V 6A 90-127V 50-60HZ
- Optional 220V 3A 180-250V 50-60HZ
(with circuit protection, line filter and isolation transformer)

ACCESSORIES:

- 5230-0038** Neck Phantom275.00
- 5120-0176** Well Liners (Pkg. of 5).....35.00
- 5420-0086** Wipe Test Wipes with ID Tags (500) ..51.50
- 5420-0087** Test Tubes for Wipe Samples (100) ...45.00

OPTIONS:

- 5430-0069** High-Energy Well Detector.....3,385.00
2"x2" crystal, 2" lead shielding

- 5430-0077** Captus 3000 Mobile Uptake System with Well Detector..... 16,225.00
- 5430-0076** Captus 3000 Mobile Uptake System (no Well)..... 14,325.00
- 5430-0087** Captus 3000 Tabletop Uptake System with Well Detector..... 14,225.00
- 5430-0107** Captus 3000 Wall Mount Uptake System with Well Detector..... 14,225.00

Prices subject to change without notice.

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