

# What's New

Every description of the items on the following two pages was condensed from information supplied by its manufacturer. The reviews are published as a service to the professionals working in the field of nuclear medicine and their inclusion herein does not in any way imply an endorsement by the Editorial Board of the JNMT or by the Society of Nuclear Medicine.

## New Minicomputer Systems for Nuclear Medicine

Digital Equipment Corp. announces two new Gamma-11 minicomputer system configurations for data acquisition and analysis in nuclear medicine. Both the GMA34 and GMS34 systems feature Digital's latest terminal and storage peripherals—as well as smaller physical size and prices approximately 24% below those of preceding, comparably equipped Gamma-11 models.

Gamma-11 systems are based on Digital's PDP-11/34 minicomputer and are designed for use with up to four gamma cameras for studies ranging from cardiac output and renal flow to single photon emission tomography. Systems include Digital's RT-11 operating system, Gamma-11 data acquisition/analysis software, and BASIC programming language.

GMA34 and GMS34 systems include a PDP-11/34 processor with 256K bytes of internal memory, RL02 10-megabyte disk drive, RX02 dual floppy disk drive, gamma camera interface with ECG input, VSV01 color video monitor, LA120 printer terminal, and Polaroid camera with shroud.

In addition, the GMS34 is equipped with a second RL02 removable-disk drive, high-speed interfaces and floating point processor for acquisition and processing of tomographic reconstruction data, and a VT100 monochrome video terminal to control simultaneous data acquisition and analysis.—*Digital Equipment Corp., Maynard, MA 01754.*

Circle Reader Service No. 62

## Catalog for Imaging Accessories

A comprehensive price list/catalog featuring a large selection of imaging accessories is available from Jason Marketing Company.

The 56-page booklet describes imaging accessories ranging from scanning gels, video tapes, recording papers and processor equipment, to ancillary supplies such as computer disk cartridges, flexible disks, and diskettes. Multiformat films, cine films, spot films,

and chemicals are also listed, along with film holders, x-ray file holders and related hardware.—*Jason Marketing Co., PO Box 6075, Cerritos, CA 90701.*

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## Collimators for Emission Tomography

Nu-Tech, designers and manufacturers of hex foil collimators, have developed two collimators optimized for emission computer tomography. These two high-resolution collimators have been designed for optimum, 20-cm depth performance. The geometric efficiencies of these collimators are  $1.5 \times 10^{-4}$  and  $1.95 \times 10^{-4}$ , with resolutions of  $\leq 1.1$  cm and  $\leq 1.5$  cm, respectively.—*Nu-Tech (Nuclear Technologies), 240 Sargent Drive, PO Box 8207, New Haven, CT 06530.*

Circle Reader Service No. 64

## Instrument Marking Kit

Martronics Corp. introduces a surgical instrument marking kit, which includes everything needed to mark almost any type of surgical instrument or metal equipment found in the hospital. The marking kit can permanently mark anything metal, and will etch into the

surface of these items anything that can be typed, written, drawn, or die impressed on a special stencil; this includes names, numbers, designs, trademarks, etc.

Martronics will send you a free chrome nameplate upon request.—*Martronics Corporation, PO Box 200, Salkum, WA 98582.*

Circle Reader Service No. 66

## New Radiopharmaceutical

Medi-Physics, Inc. announces the availability of indium DTPA In-111 (pentetate indium disodium In-111) for use in radionuclide cisternography. The indium DTPA In-111 (no carrier added) is supplied in single-dose glass vials, each containing 1.5 ml of solution with a concentration of 1 mCi/ml and a total activity of 1.5 mCi/vial at calibration time.

Cisternographic examinations may be utilized in the evaluation of hydrocephalus, CSF rhinorrhea, and evaluation of shunt patency and other various blockages, atrophies, or malformations.—*Medi-Physics, Inc., 5801 Christie Ave., Emeryville, CA 94608.*

Circle Reader Service No. 67

## Disk Cartridge Inspector/Cleaner

The Model 400 Disk Cartridge Inspector/Cleaner from AMICI is designed to detect disk cartridge damage and clean disk surfaces, as well.

Both top-load and front-load cartridges can be inspected for damage caused by operator/equipment mishandling or surface contamination. Also, the disk cartridge can be cleaned, thereby removing undesirable contaminants from the disk surfaces without disturbing recorded data.—*Amici, Inc., Computer Products Division, Dept. 8-14, 373 Main St., Colleagueville, PA 19426.*



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### Motorized Imaging Table, Radiation-Shielded Wheelchair

Nuclear Associates announces two new products for nuclear medicine: a "motorized" imaging table and a wheelchair that protects support personnel from up to 93% of patient-emitted radiation.

The VersaScan™ imaging table permits rapid, precise positioning of patients and is compatible with most cameras and dual-probe scanners. The imaging table allows six types of movement: patients are raised, lowered, or tilted by a foot-pedal power control. A bulletin is available upon request.

The "Radi-Chair" shielded wheelchair's full height and width are shielded by 1.0 mm of lead-equivalent material, which is in the upholstery.

Dose-rate reductions of up to a factor of 15 for Tc-99m have been measured using actual patients (measurements taken at the hip level of an average height, nuclear medicine transport messenger). A bulletin describing the shielded wheelchair is also available upon request.

Circle Reader Service No. 68

### Radioactive Waste Monitor

The WCM-10 is a waste monitor that, by detecting to less than 5 nCi, precisely screens radioactive waste. Only those items that exceed NRC radiation level standards need then be disposed of at burial sites.

Some features include compensation for gamma spectrum and 2 in. of lead shielding. — *National Nuclear Corp., 1904 Colony St., Mountain View, CA 94043.*

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New product releases must be received by July 2, 1982, in order to be considered by the JNMT's editorial board for a possible listing in the September JNMT's "What's New" section.

Send new product releases to the Coordinating Editor, *Journal of Nuclear Medicine Technology*, 475 Park Ave. South, New York, NY 10016.

## What's New in Radioimmunoassay

### RIA Separating Stage Aid

Wellcome Diagnostics announces the introduction of Sac-Cel™, a solid phase, second antibody coated cellulose suspension for use in the separation stage of radioimmunoassays. Sac-Cel consists of a second antibody covalently bound to cellulose, and when used, combines the specificity of double-antibody separation with the speed, simplicity and precision of solid-phase separation.

Sac-Cel gives a clearly visible, heavy white precipitate, thereby avoiding the problems often associated with the fragile precipitates seen using double-antibody separation. With a 30-min incubation at room temperature and only 2-min centrifugation, RIA procedures can be performed quickly and conveniently. The Sac-Cel range is comprehensive, including anti-rabbit, anti-sheep/goat, and anti-mouse for use in monoclonal antibody studies. Each Sac-Cel bottle is sufficient for 2000 tubes. The reagent is presented in liquid, ready-to-use form, eliminating the need for further dilution or titration. — *Wellcome Diagnostics, Division of Burroughs Wellcome Co., 3030 Cornwallis Road, Research Triangle Park, NC 27709.*

Circle Reader Service No. 73

### Expandable Liquid Scintillation Counting System

The new BetaTrac™ 6895, a modular, expandable, liquid scintillation system, is described in an eight-page brochure from Tracor Analytic, Inc. The BetaTrac 6895 allows the user to specify a system to fit current needs and upgrade it as demands change. Among the options available are DPM calculation, temperature control, video display and multi-user capability. — *Tracor Analytic, Inc. 1842 Brummel Drive, Elk Grove Village, IL 60007.*

Circle Reader Service No. 72

### New Gamma Counter

Micromedic Systems Inc. announces the addition of the ISOFLEX™ gamma counter to its family of compact, bench-top automatic gamma counters. One or two crystal models are available with deck capacities of up to 600 tubes. Each

instrument has preset windows available for I-125, Co-57, I-131, and Cr-51. In addition, a manually adjustable window allows counting gamma-emitting isotopes up to 2000 KeV. The operator sets this window via a direct digital KeV setting for both upper and lower discriminators.

For laboratories needing to count multiple isotopes simultaneously, the ISOFLEX gamma counter has a built-in multichannel counting capability.

These gamma counters feature rack-based design and compatibility with all MICROMEDIC® automatic pipetting instruments to permit maximum laboratory efficiency by keeping tube handling to a minimum. — *Micromedic Systems Inc., 102 Witmer Rd., Horsham, PA 19044.*

Circle Reader Service No. 71

### Hazardous Waste Compactor

The Pax hazardous waste compactor compacts waste directly into an approved 55-gallon drum.

The unit plugs directly into a 20-amp, 110-volt outlet. It requires six square ft of floor space and fits



through the average door. The electrically powered hydraulic system is quiet and uncomplicated.

A ram hood is provided with a sleeve to accept duct work for venting. Satellite carts are available so you can compact into more than one drum. — *Aaxon Industries, PO Box 1317, Greenwich, CT 06830.*

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