

# 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.

## Redesigned Gamma Camera

The Baird System Seventy-Seven multicrystal gamma camera has been extensively redesigned to accommodate a new dual density disk memory providing 10,000 frames of on-line data storage, an imbedded keyboard, and a joystick zoning module. Complete cardiac data—ejection fraction, left ventricular volumes, stroke volume, cardiac output, REFI, cines, and wall motion—on the upright, exercising patient are routinely obtained in 10 sec at the patient's maximum exercise level. There is no need to perform long acquisitions at submaximum levels of exercise to avoid complete data loss. All hardware, software, and technologist training for nuclear cardiology are complete in one turnkey system for radioangiocardigrams (first-pass studies) at rest and with exercise stress—*Baird Corp., Nuclear Division, 125 Middlesex Turnpike, Bedford, MA 01730.*

Circle Reader Service No. 51

## Laboratory Computer Systems

Two new brochures containing technical summaries of the MINC and MINC/DECLAB23 laboratory computer systems are available from Digital Equipment Corp. The MINC technical summary contains descriptions of Digital's PDP-11/03 and PDP-11/23-based modular laboratory systems, interfaces, I/O modules, terminals, and software including MINC BASIC, graphics routines, and software command summary. MINC specifications and docu-

mentation are also described. The MINC/DECLAB23 booklet covers standard and optional hardware and software including modules, peripherals, FEP-11 FORTRAN enhancement package, and the SSP-11 scientific subroutine package for the PDP-11/23-based, high-end member of the MINC family.—*Digital Equipment Corp., 444 Whitney St., Northboro, MA 01532.*

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## New Bone-Scanning Agent

This Tc-99m oxidronate kit is a new bone-scanning agent offering higher bone uptake to demonstrate areas of altered osteogenesis.

The Osteoscan-HDP contains a unique active ingredient, hydroxymethane diphosphonate (HDP), which has been shown to have superior bone uptake relative to all other currently available diphosphonate skeletal imaging agents. Osteoscan-HDP's higher bone uptake, coupled with its unsurpassed blood clearance rate, results in high resolution skeletal images of unexcelled quality for high lesion sensitivity.—*Procter & Gamble Co., PO Box 599, Cincinnati, OH 45201.*

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## Bilateral Emission Tomography

Cardiac Medical Systems announces a new step forward in the application of tomographic imaging to nuclear medicine: the BEST (bilateral emission scintislice tomography) system.

The system uses a bilateral collimator, in conjunction with new

software developed by CMS, to image heart, brain, and other organs. Use of the bilateral collimator reduces the rotations required by single slant systems while retaining a large field-of-view for larger organs.

The system's software has been designed to accept inputs from single slant and Quadmode 7-pinhole collimators, which are available from CMS. Artifact-free images are constructed by common volume boundary determination and weighing factors. Software options include: user-selected input or output smoothing and background subtraction; and exercise and redistribution percent washout curves over 6° intervals around the myocardium.—*Cardiac Medical Systems Corp., 3701 Commercial Ave., Northbrook, IL 60062.*

Circle Reader Service No. 54

## Paper or Film Imager

The new RADX Vidicam 200 hard copy video imager offers users the option between roll film or less expensive photographic print paper, with no special adapters or accessories needed. Roll film or paper offer speed, convenience, and lower cost of operation.

The Vidicam 200 will accommodate roll film, available in 250-ft lengths, or print paper, available in 500-ft lengths, either of which can be developed in any standard x-ray processor. The RADX Vidicam 200 is an imager, which permits up to 280 pictures without a cassette change. The format is

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factory set to the image size you prefer of the sizes available.

Other features include bulk loading, up to 3,500 images before reloading, rather than one or more cassette changes per patient. Also included are a remote exposure control, brightness and contrast control, master control with error prevention interlocks, and easy access for service. — *RADX Corp., PO Box 19164, Houston, TX 77024.*

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### **Nuclear Medicine Accessories**

Amici Inc. offers catalogs on the following accessories for nuclear medicine: leaded laboratory cabinetry, imaging tables, computer products including storage cabinets, work stations, terminal stands, mobile cabinets, diskettes, and supplies, and xenon lung study products and supplies. — *Amici, Inc., 373 Main St., Colledgeville, PA 19426.*

Circle Reader Service No. 56

### **Company Formed for Collimators**

Engineering Dynamics announces the formation of Septa Corp., a wholly owned subsidiary, for the manufacture and sale of collimators for nuclear cameras and other precision lead products.

Septa Corp. provides a full array of collimator types, including parallel hole, 7-pinhole, diverging/converging, and rotating 30° slant hole. The slant hole is used extensively in tomographic studies of the heart, providing up to 12 reconstruction levels for diagnostic studies. — *Septa Corp., 124 Stedman St., Lowell, MA 01851.*

Circle Reader Service No. 57

### **ZLC™ Brochure**

Siemens Corp. offers a technical brochure describing the operation of the ZLC™ camera in precision scintillation imaging. — *Siemens Corp., 186 Wood Ave. South, Iselin, NJ 08830.*

Circle Reader Service No. 58

## **What's New in RIA Products**

### **Coated-Tube Rubella RIA**

Clinical Assays introduces the GammaCoat rubella antibody RIA kit, a coated-tube assay that conveniently tests for immunity to rubella viral infection.

This is the first commercially-produced RIA kit for the detection and quantitation of rubella-specific IgG antibodies. The method is faster, more precise, and more convenient than the commonly used hemagglutination inhibition (HAI) test. The assay can be performed in only 2 ½ hr for same-day results. No serum pre-treatment is necessary, and there is no need for handling red blood cells. The entire assay is performed in the antigen-coated tube, with no centrifugation required. All reagents are supplied ready-to-use.

Results are calculated from numerical data, thereby eliminating potential problems of subjective interpretation that occur with the HAI method. — *Clinical Assays, 620 Memorial Drive, Cambridge, MA 02139.*

Circle Reader Service No. 59

### **Total Testosterone RIA**

The first no-extraction RIA for the quantitative measurement of total testosterone in serum or plasma is now available from Damon Diagnostics.

The LiquiSoL™ total testosterone I-125 RIA kit allows direct measurement of testosterone without a cumbersome and time-consuming extraction procedure.

This sensitive and specific assay aids in the diagnosis of such male disorders as Klinefelter's syndrome, male infertility, and impotency due to hypogonadism of pituitary or gonadal origin. In women the assay is useful in the diagnosis of Stein-Leventhal syndrome,

Cushing's syndrome, and ovarian adrenal tumors.

Tested against a reference H-3 extraction method, the assay gave a coefficient of correlation of 0.98.

Specimen requirements is only 25 µl serum or plasma for male or female, and the assay can be performed with a 1-hr incubation at 37°C. Shelf-life of the kit is six weeks. — *Damon Diagnostics, 115 Fourth Ave., Needham Heights, MA 02194.*

Circle Reader Service No. 60

### **Cold Packs**

Polyfoam Packers Corp. announces the availability of a refrigerant pack in three different temperature formulations: -10° F, +10F and +28° F.

U-Tek™ is a eutectic gel, which can be frozen in refrigerators capable of cooling to these temperature ranges. This ice substitute never liquifies nor can it leak out of its plastic bag, even if punctured. The U-Tek pouches can be shaped to the contour of the product being protected and are reusable with no loss of efficiency in repeated shipments. Polyfoam Packers offers U-Tek in 12 and 24 oz. pouches, along with 50 stock sizes of polyfoam insulated shipping containers. — *Polyfoam Packers Corp., 6415 N. California Ave., Chicago, IL 60645.*

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