

What's New

Every description of the items on the following two pages was condensed from information supplied by its manufacturer. They 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.

Radioactive Waste Disposal Unit

A dual-compartment unit provides safe disposal for all materials with residual radioactivity from medical radioisotopes. The device is constructed of ¼-in. thick lead and mounted on heavy duty casters for extra convenience. Each compartment measures 12-in. square and is fitted with a separate door. — *General Design Development Corp., 9920 Trumbull, SE, Suite A, Albuquerque, NM 87123.*

Circle Reader Service No. 51

Radionuclide Inventory Control

Radx recently introduced the Isotron inventory control computer—designed specifically for nuclear medicine. This user-programmable microprocessor unit can keep track of up to 20 different radionuclides by chemical form simultaneously. Isotron accounts for decay and as patient doses are administered provides a running inventory total of remaining activity. It also computes concentration and performs dose volume calculation for given patient doses.

The unit may be interfaced to the Isocord hard data printer, which produces a triple-copy ticket printout of all pertinent information and is suitable for NRC record-keeping requirements. — *Radx Corp., PO Box 19164, Houston, TX 77024.*

Circle Reader Service No. 54

Full-Size X-ray Film Reproductions

Eikon's printer cassette enables full-size x-ray film reproduction to be made from microfilm x-rays in the hospital itself. Diagnostic detail is retained when the microfilm is Eikon Processed®. The printer cassette is designed to fit the manufacturer's XVRP c-ray microfilm viewer/reader/projector. — *Eikon Technology, Inc., 5 N. Bedford St., Manchester, NH 03101.*

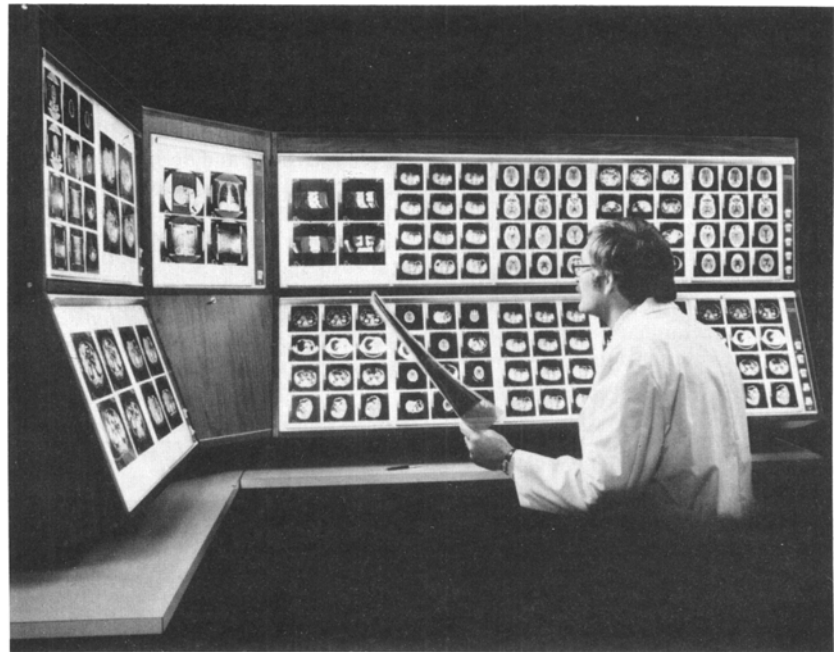
Circle Reader Service No. 56

Corner Film Illuminators

General Electric's space-saving corner illuminator modules offer a new dimension of versatility in arranging film viewing rooms. Modules are available in eight models— to accommodate GE's Fluoroline, Slimline, and Hi-intensity

single-panel illuminators. Either a storage compartment or high-intensity bright spot viewer may be selected for a module's lower level. — *General Electric Co., Medical Systems Div., PO Box 414 (W-512), Milwaukee, WI 53201.*

Circle Reader Service No. 52



Instant Developing Film

The Type 611 video imaging recording land film from Polaroid is designed to record video images for medical diagnostic imaging. The black-and-white film incorporates wide-exposure latitude and extended gray-scale recording capability. The film's dynamic range is designed to match the video display output of nuclear medicine instrumentation.

The film delivers a completely developed image in 45 sec; no darkroom or separate processing facilities are needed; film prints dry to a hard finish; no coating of image is necessary. — *Polaroid Corp., Cambridge, MA 02139.*

Circle Reader Service No. 57

Multi-Image Camera

"On-the-fly" concept photography is a design feature of this new multiformat camera. Reductions in image degradation, review time, and capital outlay necessary for freeze frame, videotape, and videodisk techniques may be accomplished with the camera's use.

Photo exposures synchronized to start of video raster, electronic video shutter, high brilliance video monitor, and 1/30-sec exposure frame counting are features. A 35-mm Nikon magazine is available to expose slide film directly from video display. — *Medcorp, 820 W. Hyde Park Blvd., Inglewood, CA 90302.*

Circle Reader Service No. 58

Mobile Large Field Camera

A 15¼-in. field of view mobile camera is available from Elscint. Some of its features are: minicomputer for data processing; cardiology package—including first pass, multigated studies, ejection fraction, stroke volume, and regional ejection fraction; 7-hole collimator with emission tomography reconstruction; complete clinical software package, i.e., kidney clearance, pulmonary, flow study histograms, 6 irregular ROIs that can be closed manually or automatically; and camera zoom and computer reconstruction zoom eliminating the need for a converging collimator. A multi-imager, a cardiac gate, and an isotope storage bin are also built-in features of the camera. —*Elscint Inc., 138-160 Johnson Ave., Hackensack, NJ 07602.*

Circle Reader Service No. 55

LFOV Camera

Also from GE: the MaxiCamera 535 scintillation camera is the largest field of view special procedure scintillation camera on the market today. The system features a 530-mm wide field of view, sufficiently large to encompass such organs as lungs and liver in a single image.

Superior performance and uniformity are achieved through use of 61 hexagonal "teacup" PM-tubes in conjunction with a uniformity-enhancement computer. The system provides intrinsic spatial resolution better than 4.5-mm FWHM at 140 keV within the central field of view. Count rate in 100,000 cps at a 20% window. —*Address same as on opp. page.*

Circle Reader Service No. 53

What's New in Radioimmunoassay

Accelerated RIA kits

American Diagnostics is now supplying accelerated RIA kits for gentamicin, tobramycin, and amikacin. Major features include minimal preparation time, 5-min incubation and 5-min centrifugation, and stable prediluted standards. Low and high controls are included in the kits, which are supplied in 150-tube units at 60¢ per tube, with volume discounts available.

Color-coded reagents, containers, protocols, and easy-to-open-and-store hinged lid containers are other features. —*American Diagnostics, 5030 Paradise Rd., Las Vegas, NV 89119.*

Circle Reader Service No. 59

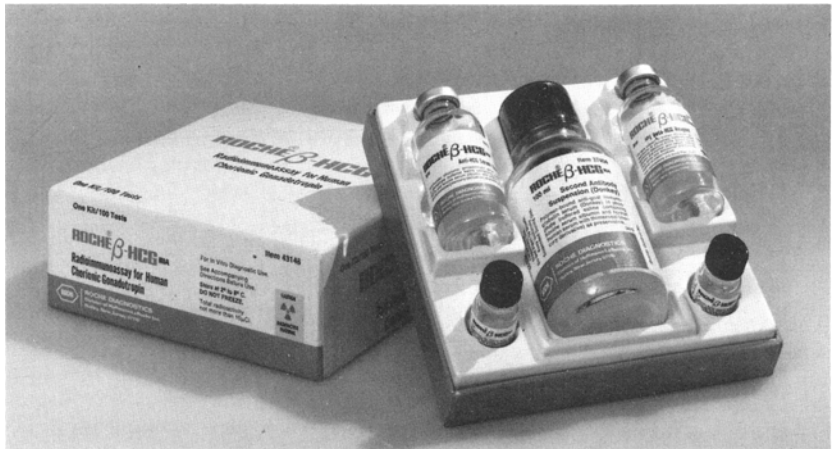
CK-B RIA

From NMS, the new CK-B RIA kit is highly sensitive and designed to provide accurate and reproducible test values for measurement of CPK in serum. The assay detects levels of CK-B as low as 0.5 ng per tube. Its specificity suggests its use in early verification of myocardial infarction. —*Nuclear Medical Systems, Inc., 1531 Monrovia Ave., Newport Beach, CA 92663.*

Circle Reader Service No. 63

B-HCG RIA

From Roche, the B-HCG RIA kit is a rapid, sensitive, and specific assay for qualitative determination of HCG in



human serum or plasma to detect early pregnancy.

A 50-mIU HCG/ml screening cut-off was established to provide earliest

I-125 Progesterone RIA

This assay is performed directly on plasma or serum sample extracts. Its highly specific antibody eliminates need for chromatography and results in improved accuracy. Incubation time is 30 min at 37°C, followed by 2 hr at 2-8°C. Reagent shelf-life for this I-125 progesterone RIA kits is 8 weeks. —*CIS Radiopharmaceuticals, Inc., 5 DeAngelo Dr., Bedford, MA 01730.*

Circle Reader Service No. 60

New Dialytic Alternative

Amicon announces that the FDA has amended the product license for the Roche Diagnostic CEA-Roche® indirect assay—to permit use of Amicon's diafiltration system series MC as an alternative to the dialytic procedure now used in this assay.

The Amicon diafiltration system makes possible completion of the entire assay procedure in one working day. The system can process up to 40 sample tubes in less than 3 hr with no more than 15 min of operator's attention. Water requirement for this system is only 1% of the volume needed for dialysis. —*Amicon Corp., 21 Hartwell Ave., Lexington, MA 02173.*

Circle Reader Service No. 62

possible detection of pregnancy using a rapid and convenient assay. Use of B-HCG antigen and specially prepared antibody virtually eliminates potential interference from physiologic levels of LH and

other pituitary gonadotropins. The assay is sensitive to 6 mIU HCG/ml. —*Roche Diagnostics, Nutley, NJ 07110.*

Circle Reader Service No. 64