

What's New

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Solid State CBF Measurement

Radiation Monitoring Devices has introduced a system for cerebral blood flow measurements. Typical systems employ arrays of 8 to 32 miniature cadmium telluride probes and include all the electronics required to interface with any data processing system.

The solid state design completely eliminates detector drift for unprecedented accuracy and reliability. Each probe produces direct electrical signals—obviating photomultipliers, cutting overall size by 85%, and eliminating dangerous high voltages. Cerebral blood flow measurements with both xenon-133 inhalation and injection are greatly enhanced with this new stable sensor.—*Radiation Monitoring Devices, Inc., 44 Hunt St., Watertown, MA 02172.*

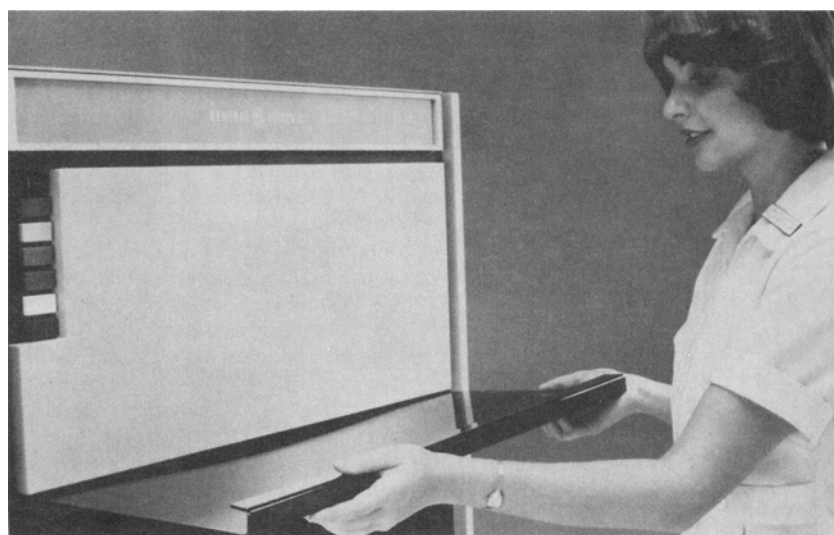
Circle Reader Service No. 51

Silver Recovery Unit

Majestic Silver Refiners announces the Silver Master I—an inexpensive chemically activated silver recovery system for low- to medium-volume film processors. The system consists of a fluid tight solutions circulating housing that contains a chemical recovery module, which reclaims silver from fixer solutions by ion exchange. The module fits within the circulating housing and may be removed and replaced when depleted. The depleted chemical recovery module may be sent to Majestic or any other smelter/refiner for silver reclamation and payment.

Majestic is offering a starters package that consists of a solution circulating housing and two chemical recovery modules for the price of one. The system comes equipped with a wall mounting bracket and tube fittings for convenient connection to the processor. Mailers, labels, and all appropriate paperwork for returning depleted modules to Majestic are included.—*Majestic Silver Refiners, Ltd., Comly and Caroline Rds., Philadelphia, PA 19154.*

Circle Reader Service No. 52



Collimator Storage

GE Medical Systems Division has introduced a new MaxiCamera accessory designed to store collimators conveniently.

The new optional accessory, called the MaxiCamera collimator stacker, is an enclosed storage cabinet capable of accommodating up to five 400-mm collimators. Operator convenience is enhanced by the stacker's built-in electrically powered elevator, which automatically controls travel of the shelves for deposit or removal of collimators.

The stacker is designed to be used with GE's four-wheeled collimator lifting cart, which is provided with each MaxiCamera

II system. The combined use of the stacker and cart allows quick and easy collimator changes.

Besides saving time in collimator changes, significantly less floor space is required for collimator storage by stacking them in the cabinet.

The collimator stacker features color-coded, labeled push buttons for elevator operation conveniently located at eye level. Plexiglas doors swing out of the way to provide easy access to the collimator selected. For operator protection, the elevator system is disabled when either door is ajar.—*GE Co., Medical Systems Division, PO Box 414 (W-512), Milwaukee, WI 53201.*

Circle Reader Service No. 53

Medical Management Computers

Univair International is introducing a comprehensive medical management and accounts receivable computer program. The computer will operate completely stand-alone or will automatically produce double-entry posting into a general ledger module. All programs are menu-driven and the system performs all file calls, sorts, merges, and chaining back to main-menu automatically with no operator input. The system maintains detailed records of

all patients, charges, payments, procedures, scheduling, and accounts receivable. Also handles daily and accumulative ticket and payment registers, aged trial balance, patient file inquiry, production and payment analysis. CPT and ICDA codes are easily used with the system and provisions are made to insert many other special office codes as well. Over 20 different report functions are provided, including the

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ability to print out standard monthly statements as well as most portions of standard Blue Cross and Medicare forms. Approximately 1500 fully detailed patient records may be held on one 8-in. floppy disk in single density, and approximately 3,000 per disk in double density. —*Univair International, 10327 Lambert International Airport, St. Louis, MO 63145.*

Circle Reader Service No. 54

High Resolution LFOV Gamma Camera

The Dyna Camera, 4/15/61 from Picker Corp., offers superior system resolution (3.7-mm FWHM at 140 keV) and exceptional linearity, making it an ideal choice for one of the most recent nuclear cardiology techniques, tomographic myocardial imaging. The camera offers greater diagnostic certainty by allowing physicians to detect smaller lesions better than ever before. To accomplish this, the detector incorporates 61 high performance photomultiplier tubes of the latest design, new front end decoder electronics and design, a Picker patented variable density thin light pipe, and a unique high resolution 1/4 in. sodium iodide crystal. —*Picker Corp., Clintonville, Rd., Northford, CT 06472.*

Circle Reader Service No. 55

Modular Bar Phantoms

A new series of modular bar phantoms provide a wide choice of bar widths from 1.6 mm (1/16 in.) to 6.6 mm (1/4 in.), and a choice of phantom type, P.L.E.S. or 4-quadrant bar. The nuclear medicine technologist will be able to assemble a phantom to match the resolution capability of the gamma camera being tested. As new, higher resolution cameras are acquired, low cost, narrower bar width modules are available. —*Telstar Electronics Corp., 700 Hummel Av., Southold, NY 11971.*

Circle Reader Service No. 56

What's New in Radioimmunoassay

I-125 Monitors

Low concentrations of I-125 on hands, clothing, and laboratory surfaces can be detected quickly and accurately with a large area I-125 monitor. Extra large detector windows (100 or 200 cm²) permit fast, efficient monitoring of surfaces. Xenon-filled proportional counters assure high detection efficiency for gammas and betas. Two models are available. The 05-676 is a battery-operated, hand-held unit with a 100-cm² effective window area; it may be used to monitor counter tops, equipment, and clothing. An optional floor adapter permits rapid checks of floor contamination. The wall-mounted 05-695 monitor is AC-operated and has a 200-cm² window area, which makes it especially useful as a fixed monitoring station for people who must be monitored quickly as they leave a controlled area. Radioactivity is indicated by an analog meter and by clicks that vary with counting rate. Alarms go off when user-preset levels of radiation are exceeded. —*Nuclear Associates, 100 Voice Rd., Carle Place, NY 11514.*

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I-125 Ferritin Kit

This ferritin kit features ready-to-use prediluted reagents; a 45-min incubation with 1° antibody and a 15-min incubation with a 2° antibody, 40,000 total counts for good counting statistics; standard concentration of 0, 2.5, 10, 25, 100, 200, 400, and 1,000 ng/ml; and PEG separation. Linearity to 1,000 ng/ml and excellent low end sensitivity characterize the standard curve. No reagent preparation and short incubation times make this the fastest and easiest ferritin assay available. Can be used in conjunction with vitamin B-12, folate, and iron assays from the same manufacturer for an accurate nutritional anemia profile. —*RIA Products Inc., PO Box 914, 411 Waverly Oaks Rd., Waltham, MA 02154.*

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Stat Pregnancy RIA Test

Monitor Science Corp. introduces Betaccept, a new stat pregnancy RIA test. The most significant advantage of this test is its ability to detect pregnancy as early as ten days after conception with either urine

or serum samples. The hCG beta antisera exhibits less than 1% cross-reactivity with LH and the necessary sensitivity of 200 mIU/ml for reliable results. Other main features include 15-min incubation at ambient temperature and 5-min centrifugation, giving the laboratory a 30-min stat procedure. All reagents are ready-to-use; a negative control is included. Betaccept is supplied in 60 and 120 tube kits. —*Monitor Science Corp., 1598 Monrovia Av., Newport Beach, CA 92663.*

Circle Reader Service No. 62

No-Boil Folate RIA

A new folate radioassay kit offers the convenience of room temperature denaturation instead of boiling and a new step-saving separation system that does not require charcoal.

The assay is run entirely at room temperature using a single tube. It takes less than 30 min of a technologist's time, reducing total assay time by 20%. Other features include human serum N⁵-MTHFA standards and typically greater than 94% recovery of N⁵-MTHFA at all levels.

The kit's technology combines binder and separator into one easy-to-pipette reagent. It consists of a milk folate binder bound to a pre-precipitated antigen-antibody matrix. Once tracer and sample have competed for sites on the binder, the matrix provides a means of separation of bound from free folate. Assay tubes can be immediately centrifuged and bound tracer counted in the pellet.

The kit will assay folate levels in either serum or whole blood. —*Clinical Assays, 620 Memorial Dr., Cambridge, MA 02139.*

Circle Reader Service No. 63

Automatic Gamma Counter

The Gamma-Trac 1191 automatic gamma counter offers several features that are included as standard. Standard features include 300-sample capacity in a bidirectional conveyor and 3-in. NaI detector with two simultaneous counting channels; both channels have a range of 10 to 2,000 keV and can use optimized or adjustable isotope windows. The counting chamber can accept test tubes up to 16 × 150 mm in size.

—*Tracor Analytic, 1842 Brumeml Dr., Elk Grove Village, IL 60007.*

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