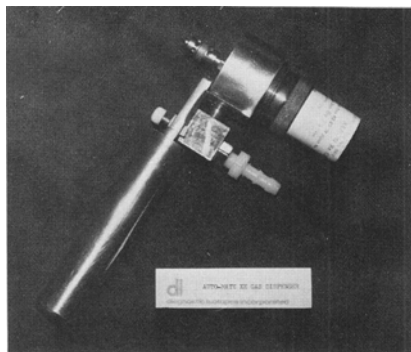


What's New

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

Automatic Xenon Dispenser

The handheld Auto-Mate Xenon Dispenser simplifies the xenon loading procedure by eliminating the need to transfer xenon from one container to another; xenon is delivered to the patient by pressing a button. Because the xenon vial is punctured automatically, there is no need to puncture the vial after it is attached to the system; this eliminates repeats caused when an operator forgets to puncture the vial.



Full dose is delivered in a single breath bolus and the dispenser can also be used to administer O₂ to the patient without interrupting the study, by reattaching the dispenser to the tubing or mouthpiece, turning on the O₂, and pressing the trigger. —*Diagnostic Isotopes Inc.*, 225 Belleville Ave., Bloomfield, NJ 07003.

Labeled Fibrinogen

Amersham Corp. announces the routine availability of IBRIN® radionuclide-labeled I-125 fibrinogen (human). This radiopharmaceutical is a freeze-dried preparation for intravenous administration for diagnostic use in the detection of

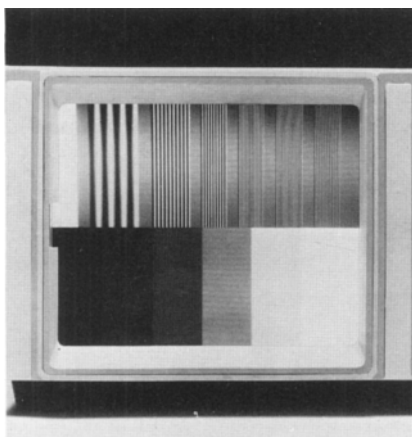
deep-vein thrombosis. Prior to intravenous injection, a single dose vial of IBRIN should be reconstituted with 1.1 ml of sterile water for injection U.S.P.

The single donor plasma that serves as the source of fibrinogen used in preparing this product has been obtained by plasmapheresis of carefully selected donors.—*Amersham Corp.*, 2636 S. Clearbrook Drive, Arlington Heights, IL 60005.

Video Display

For enhanced performance in medical imaging applications, the Tektronix 634 improves resolution, brightness level, and brightness uniformity. The flat screen video display monitor affords accuracy to measurements of size and gray-scale density made on display photographs.

Because of the modular construction, access is available to contrast,



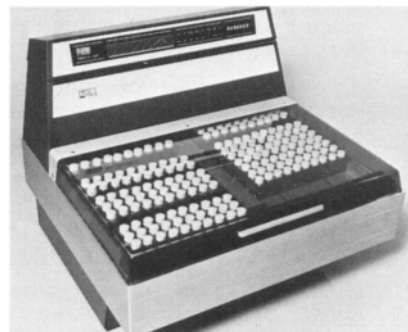
brightness, and focus controls beside the display, from top of the display unit, or from some other place in the system.—*Tektronix, Inc.*, PO Box 500, Beaverton, OR 97077.

RIA Products

Liquid Scintillation Counters

LKB/Wallac introduces RackBeta, a new liquid scintillation counter, to provide full operational facilities in the fields of biochemistry, endocrinology, hormone research, bacteriology, clinical chemistry, and pharmaceutical work.

The basic RackBeta is available with a capacity of 300 standard or mini-vials in racks of 10 or a capacity of 660 mini-vials. Options for both are available for DPM calculation, display unit, stand-by power supply, and multi-user capability.



The spectrum stabilizer circuit ensures long-term stability by checking 50 times per sec the photomultiplier detector gain; this automatically assures that the energy measuring range is stable and reproducible without operator involvement. Fully automatic calibration programs are included. All operational instructions are communicated to the RackBeta via a teleprinter which also prints out the results, including CPM or DPM.—*LKB Instruments, Inc.*, 12221 Parklawn Drive, Rockville, MD 20852.

RIA Kit for Myoglobin Serum Levels

This kit measures serum levels of myoglobin to test for acute myocardial infarction. Myoglobin, which peaks more rapidly in the blood stream than CPK, provides an earlier diagnosis of acute myocardial infarction. Using the RIA technique, the kit utilizes a double antibody procedure, which accurately measures 0.5–500 $\mu\text{g/ml}$.

The antimyoglobin serum is less than 0.1% cross reactive with human hemoglobin, cytochrome C, and other interfering proteins. Results can be obtained in 90 min. The kit includes standards, reference controls, and other reagents sufficient to assay 100 tubes.—*Nuclear Medical Systems, Inc. 1531 Monrovia Ave., Newport Beach, CA 92663.*

Adjustable Sampler

Oxford Laboratories introduces the Adjustable Sampler® instrument, which has been designed to include features for performance, safety, comfort, speed, convenience, and economy.

Precision tooling allows the adjustable sampler instrument to be set in seconds. Only eight revolutions of the vernier dial cover the full scale. This flexibility allows the instrument to be set quickly to compensate for variations in liquid viscosity or temperature. The insulated handle is constructed of high density polymer with low thermal coefficient. This

allows even prolonged use without affecting reproducibility.—*Oxford Laboratories Inc., 1149 Chess Drive, Foster City, CA 94404.*

RIA Stat Results

RIA kits for Amikacin, Gentamicin, and Tobramycin are now available from Diagnostic Products Corp. Each kit features a second antibody PEG separation technique, which assures more reproducible results. The antibody supplied is highly specific and shows virtually no cross reactivity with interfering drugs or with any of the structurally related aminoglycosides. The calibration curve for each is linear on a log/logit plot, allowing for rapid analysis of the curve, interpolation of sample values, and quality control monitoring. Incubation time is 15 min and all reagents are lyophilized for easy shipping.—*Diagnostic Products Corp., 12306 Exposition Blvd., Los Angeles, CA 90064.*

T₄ RIA

Beckton Dickinson Immunodiagnosics announces T₄ RIA kit that affords new convenience for the clinical laboratory. The key feature of the new kit is a solid phase antibody-coated tube, which simplifies the test procedure by eliminating centrifugation and reducing the number of pipetting steps to only two. The user merely pipets 10 μl sample and tracer, incubates (45 min at room temperature or 30 min at 37°C bath),

aspirates or decants, counts, and calculates.

All reagents have been completely prepared and performance-assayed prior to packaging so there is no reconstitution necessary, and no need to perform quality checks. All six standards have also been prepared as ready-to-use working serum solutions. No pH check is required.

This new T₄ RIA kit also features built-in conveniences that increase technologist efficiency. Each kit contains an easy-to-install, handy-to-use tube dispenser, which can be inverted to hang at the lab bench. The kit package has also been especially designed to serve as a workrack, if desired, with each tube compartment die-cut to the proper width and depth for firmly holding test tubes.—*Beckton Dickinson Immunodiagnosics, Mountain View Ave., Orangeburg, NY 10962.*

Cortisol RIA

CIS Radiopharmaceuticals offers a new and more simplified version of their Cortisol test. This test employs antibody coated tubes and contains seven predispensed serum based standards. The antibody bound tubes allow a rapid set up time, minimal technologist bench time, and eliminates the need for centrifugation.

The total run time from set up to data reduction is normally 2 hr. The test is available in 64 and 128 tube sizes.—*CIS Radiopharmaceuticals Inc., Customer Service Dept., 5 DeAngelo Drive, Bedford, MA 01730.*