

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.

Portable Multichannel Analyzer

Canberra Industries announces its new, portable series 10 multichannel analyzer. The compact (8 lb), 4096-channel multichannel analyzer, with liquid crystal display, is the most advanced portable spectroscopy system in the world. The company adds that the series 10 offers more performance than any portable analyzer available today. Some features include: a battery-powered spectroscopy system; an internal 0-5 kV bias supply; up to 10 hr of continuous acquisition, analysis, and display without recharging; and a full set of microprocessor analysis functions.—*Canberra Industries, 45 Gracey Ave., Meriden, CT 06450.*

Circle Reader Service No. 68

Two Radiopharmaceuticals Receive NDAs

Benedict Nuclear Pharmaceuticals, a manufacturer and distributor of radio-

pharmaceuticals, announces that it has received two new drug applications (NDAs) from the FDA recently. The company's sodium iodide I-123, used in the detection of thyroid abnormalities, received an NDA, as has its stannous aggregated albumin (MAA), which is used in diagnostic lung studies. The company operates radiopharmaceutical distribution centers in the Denver and Washington, DC, areas.—*Benedict Nuclear Pharmaceuticals Inc., PO Box 548, 1313 Washington Ave., Golden, CO 80401.*

Circle Reader Service No. 67

Slide Training Programs

The Resource Slide Library is a series of mix-and-match slide programs designed for health and safety training presentations. Each program consists of approximately 100 high-quality slides and a companion instructor's guide. Developed by the Training Resources

Division of Nuclear Support Services, Inc., the expanding library now includes such titles as: Radiation Protection; SI Units; and Internal Dosimetry: Biological Systems, Radiological Factors, Bases of Dose Assessment. Soon to be released are: Nuclear Medicine: Instrumentation, Dosimetry, and Medical Radionuclides; Nursing Care: Radionuclide Therapy Patient; and Reactor Isotopes. A program can be tailored to a specific audience and is designed for use either as a self-contained unit or as a supplement to other material. Any volume may be previewed for \$25, which may then be applied to the purchase price (from \$95 to \$155).—*Training Resources, Suite B-3, 9150 Rumsey Center, Columbia, MD 21045.*

Circle Reader Service No. 63

Imaging Table

The new "AeroTable" imaging table moves on a cushion of air to position patients for nuclear medicine procedures. When a patient's position must be changed, finger-tip action releases a stream of compressed air from four disk-shaped footpads. Air pressure raises the table 3 to 4 mm off the floor so that it may be floated gently to a new position. When the air pressure is cut off, the table settles firmly in place and can't be moved.

The air cushion is activated by finger pressure against a touch-sensitive strip that extends the entire length of the table frame's entire surface. Push-buttons control the vertical motion and vacuum source. Vertical height is controlled by a hydraulic lift.—*Nuclear Associates, 100 Voice Rd., Carle Place, NY 11514.*

Circle Reader Service No. 65

Xenon Circuit

Vital Signs, Inc. has developed a new leak-free, single-use circuit for administering xenon gas. The system features a

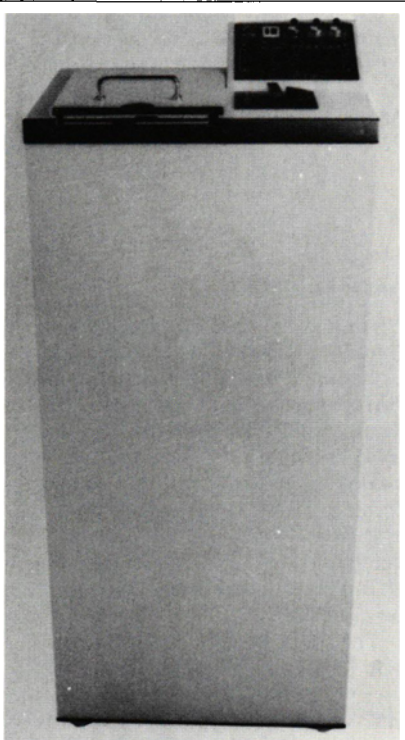
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Multiformat Camera

Illinois Imaging Electronics, Inc. announces its new 5000C multiformat camera which can image from either a gamma camera or a computer format with the flick of a switch. The imager records on the same film no matter what the format. The 5000C features IIE's multifixed lens system; the only moving part is an electromagnetically-operated shutter. This allows the remaining assemblies to operate should shutter assembly fail; thus, the system is virtually never down.

The 5000C contains 14 lenses, which rotate position via a manually-operated turret, assuring consistent image quality and a high degree of reliability. The 5000C also comes equipped with a flat-faced, high-resolution oscilloscope and is mounted in a light-weight cabinet, taking up a minimum of floor space. Brochures are available upon request.—*Illinois Imaging Electronics (IIE), 901 S. Kay, Addison, IL 60101.*

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continued

clear, lightweight, leak-free mask featuring a soft, air-filled cushion that contours to a wide variety of faces. The soft but firm seal eliminates leaks, a problem often associated with mouthpieces. The patient is more comfortable and the leak-free circuit maintains equilibrium in the lungs, ensuring good test results. The reduction in retesting benefits the patient and cuts costs for xenon gas. The single-use circuit is completed by a 10 in. or 20 in. flexible hose and bacteria filter.—*Vital Signs, Inc., 1 Madison St., East Rutherford, NJ 07073.*

Circle Reader Service No. 64

Self-developing multiformat imager

The Instant Imager™ from MDE Manufacturing Co. is a high-speed, self-contained processor that produces distortion-free images in an instant. The instant imager is compact and fully

portable and delivers extremely high-resolution paper or film copies of nuclear medicine images.

The imager offers both multi-image and multiformat capabilities. The company stresses that the imager's operating design makes it easy to use and helps to insure high reliability, even with heavy use.—*MDE Manufacturing Co., 5222 Argosy Ave., Huntington Beach, CA 92649.*

Circle Reader Service No. 61

Polaroid Products Dealer

Med-X Int'l. Ltd. announces that it has been appointed a Polaroid medical products dealer. Information on Polaroid's CU-70 close-up system for clinical photography, for example, as well as the complete line of imaging films for nuclear medicine, is available.—*Med-X Intl. Ltd., 9845 E. Fern St., Perrine, FL 33157.*

Circle Reader Service No. 66

What's New in Radioimmunoassay

RIA Prolactin Kit

Hybritech Inc. has received permission from the FDA to market TANDEM™ prolactin. Tandem utilizes two different monoclonal antibodies to "sandwich" the prolactin molecule using an immunoradiometric assay (IRMA) technique, thus sensitively detecting the presence of prolactin.

Tandem prolactin is the sixth of a family of Tandem immunoradiometric products that use the improved specificity and consistency of monoclonal antibodies to deliver improved performance and procedural features to laboratories. Tandem permits the simultaneous addition of both antibody reagents and test sample, followed by a single 3-hr incubation and wash procedure. No centrifugation is required for the solid phase method. Tandem prolactin has a dynamic range of 0–200 ng/ml of prolactin, and requires the use of six calibrators, including 0.—*Hybritech Inc., 11085 Torreyana Rd., San Diego, CA 92121.*

Circle Reader Service No. 71

RIAs for HCG-B and DHEA-S

Nuclear Medical Systems announces two new RIA kits: a HCG-B RIA requiring addition of sample and tracer only, with and single incubation, and a DHEA-S RIA based on a double-antibody method. The DHEA-S is also easy to perform and features a 30-min incubation.—*Nuclear Medical Systems, 1533 Monrovia Ave., Newport Beach, CA 92663.*

Circle Reader Service No. 72

Anti-HB_s RIA Kit

Clinical Assays has introduced the GAMMACOAT™ RIA kit for the detection of antibody to hepatitis B surface antigen (Anti-HB_s) in human serum or plasma, featuring high sensitivity and convenient solid-phase, coated-tube separation. This kit is a companion test to the currently available GAMMACOAT RIA kit for detection of hepatitis B surface antigen (HB_sAg), which also uses coated-tube separation.

The convenient Gammacoat Anti-HB_s RIA kit requires few steps and uses polystyrene tubes coated with HB_sAg as the solid phase. Patient sample is added, and if antibody is

present, an immune complex is formed with the antigen coating. After a wash step, green-tinted I-125 HB_sAg is added, thus forming a "sandwich." Excess label is removed and the tube is counted. Presence or absence of Anti-HB_s is determined by comparing the net cpm of the unknown sample with the net cpm of the negative control mean. Both positive and negative controls are included.

The entire assay is performed in the antigen-coated tube, without the need for beads. Color-coded tracer provides visual quality checks.—*Clinical Assays, Div. of Travenol Laboratories, Inc., 620 Memorial Drive, Cambridge, MA 02139.*

Circle Reader Service No. 73

Vitamin B-12 Assay

Micromedic Systems Inc. has introduced the first solid-phase, coated-tube procedure for detecting vitamin B-12 levels in serum. A coated-tube technology eliminates separation techniques and time-consuming centrifugation steps, thus providing a simpler overall procedure.

The new kit uses a highly specific antibody to vitamin B-12 in place of purified intrinsic factor for detecting B-12 levels. The AUTOPAK™ B-12 assay has a sensitivity of 45pg/ml and interassay CVs of better than 6%. Excellent correlation has been shown to exist with samples run using recognized manual purified intrinsic factor assays. Complete kits come with 200 antibody-coated tubes, tracer, buffer, denaturant, standards, and controls.—*Micromedic Systems Inc., 102 Witmer Rd., Horsham, PA 19044.*

Circle Reader Service No. 75

