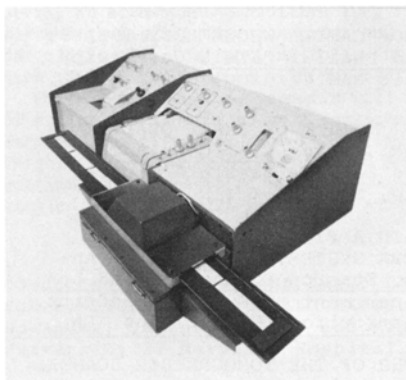


What's New

Each of the items on the following two pages was condensed from information supplied by its manufacturer. The items are published as a 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.

Nuclear Pharmacy System

Vanguard has introduced a multi-purpose nuclear pharmacy system to provide radiopharmaceutical quality control. The model 930/950 Radiochromatogram Scanner System includes: digital integration, 30-in. multi-TLC tray assembly, selectable scan speeds, collimation, sensitivity, and automatic operation. Strip-chart



recorder and digital readout features enable the user to determine the purity of radiochemicals, including ^{99m}Tc and radioactive iodine (i.e., ^{125}I and ^{131}I). The system is also designed to detect ^3H and ^{14}C . —Vanguard Systems, Inc., 737 Canal St., Stamford, CT 06902.

Automatic Xenon System

A new model AXS-133 Automatic Xenon Delivery System has recently been announced by Telstar. This automatic system performs single breath, equilibrium, and washout studies programmed by a series of front-panel sequential pushbutton controls for each of the following cycles: system fill, patient air, equi-

librium, patient washout, system washout, and system off. —Telstar Electronics Corp., 700 Hummel Ave., Southold, NY 11971.

Bone-Imaging Agent

The Phosphotec® Technetium Tc 99m-Pyrophosphate-Tin Kit provides a bone-imaging agent employing a two-step procedure. Each reaction vial contains 40 mg sodium pyrophosphate and 1 mg stannous fluoride. After the addition of sterile ^{99m}Tc -sodium pertechnetate solution to the shielded reaction vial, the vial is shaken and assayed. Each kit contains five vials (5-ml size). —E.R. Squibb & Sons, Inc., PO Box 4000, Princeton, NJ 08540.

Lead Glass Vial Shield

To eliminate shielding leakage, Hi-D® lead glass is featured in new vial shields from Nuclear Pacific. The shields, which allows 360° visibility, accommodate all vial sizes up to and including 30 ml. They are engineered to automatically center and hold the vial for safe dosage removal. —Nuclear Pacific, Inc., 6701 Sixth Ave. S., Seattle, WA 98108.

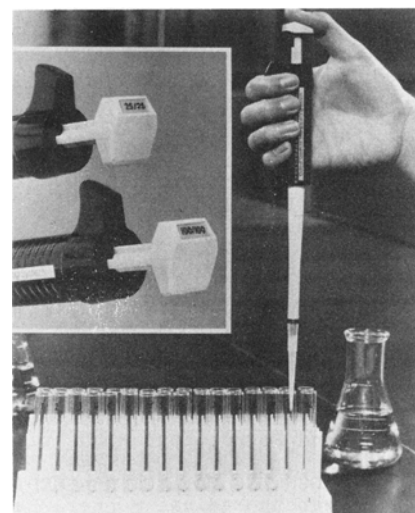
Source Positioner

The Quality Assurance Source Positioner (model SP-201) centers and holds a radionuclide source at optimum position relative to the camera crystal, yielding maximum reproducible data in quality assurance imaging. Consisting of a 54-in.-

high fixed-leg tripod, with a protective lead source holder, it is positioned into the retaining holes of a lead collar. The source holder atop the tripod accommodates a 5-ml syringe of the appropriate radionuclide. A centered orifice beneath the holder exposes the radionuclide to the phantom and camera at a constant 54-in. distance. —Atomic Development Corp., 7 Fairchild Court, Plainview, NY 11803.

Duplicate Pipetting System

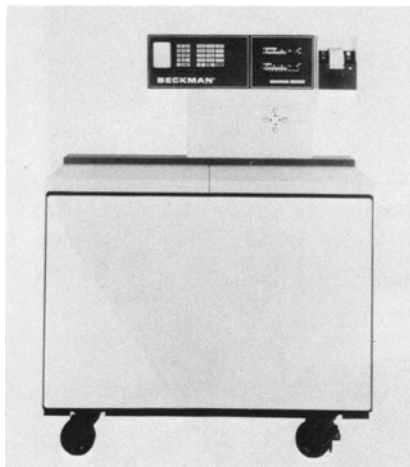
The Oxford® Duplicate SAMPLER® System picks up one liquid sample and delivers it in two consecutive dispensings to speed duplicate test runs. It is available in two



sizes: 100/100 (picks up 200 ul, dispenses 100 ul twice) and 25/25 (picks up 50 ul, dispenses 25 ul twice). —Oxford Laboratories, 1149 Chess Dr., Foster City, CA 94404.

Computer-Controlled Gamma Counters

Beckman's new Series 8000 Gamma Counting Systems are computer-directed instruments that automate and simplify nuclear counting. Three variations of the system—Gamma 7000, 8000, and 9000—share major standard features: 300-sample capacity, command tower programming, multi-user capability, ten present li-



brary programs, and digital or rate-meter display. Iodine-125 efficiency and percent bound determinations are calculated automatically.

Command towers inserted in the sample chain preceding a series of samples will call up any of the ten user programs. Users can dial numerical codes on the towers to identify and select programs.

A coded tower repeatedly calls up the user's own version of a standard program.—*Beckman Instruments Inc., PO Box C-19600, Irvine, CA 92713*

Radioimmunoassay Products

TSH

Schwarz/Mann offers a new ^{125}I double-antibody TSH kit which allows a 90 min or overnight final incubation time. The 100-tube kit has an eight-week shelf life and has lyophilized reagents.—*Schwarz/Mann, Mountain View Ave., Orangeburg, NY 10962.*

Combined Estriol and HPL

Simultaneous measurement of E_3 and HPL on the same serum sample is featured in a new RIA kit introduced by NMS. The kit requires no extraction, and utilizes a double-antibody-gel separation and ^{125}I tracer. Incubation time is one hour.—*Nuclear Medical Systems, Inc., 1531 Monrovia Ave., Newport Beach, CA 92663.*

Estradiol

Estradiol levels in serum can be quantitated in a new RIA kit from NMS using an ^{125}I tracer, a double-antibody technique, and a total assay time of 105 min.—*Nuclear Medical Systems, Inc., same address as above.*

Automatable T_4 RIA

Beckman introduces a T_4 RIA reagent system in which precipitating antibody and labeled T_4 may be dispensed in combined form. This

adapts the test to automatic pipetting and eliminates a pipetting step. Shelf life of reconstituted reagents is 30 days. Addition of green dye to T_4 antibody visibly warns against pipetting omissions.—*Beckman Instruments, Inc., PO Box C-19600, Irvine, CA 92713.*

Simultaneous B_{12} and Folate

The SimulTRAC™ Radioassay kit for vitamin B_{12} and folate, developed by Schwarz/Mann, allows simultaneous analysis of these two components in a single assay procedure. This method, utilizing ^{57}Co and ^{125}I , requires one set of combined reagents, one series of pipettings, and one incubation, binding, and separation step to produce both B_{12} and folate results.—*Schwarz/Mann, Mountain View Ave., Orangeburg, NY 10962.*

Neonatal T_4

Diagnostic Products has developed a T_4 RIA procedure utilizing approximately 2.2 ul of dried blood to screen infants for congenital hypothyroidism. Blood is collected on filter paper from a heel prick in a 4-hour, double-antibody technique. Sodium salicylate is used as a blocking agent and ^{125}I is the tracer.—*Diagnostic Products Corp., 12306 Exposition Blvd., Los Angeles, CA 90064.*