

What's New

Every description of the products below 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 Journal of Nuclear Medicine Technology or by the Society of Nuclear Medicine.

I-Bind Radioactive Decontamination

I-Bind, a concentrated radioactive decontamination fluid, is formulated as a specific binder for iodine and is not a general cleanser. By binding the iodine directly, it frees it from adherence to other surfaces. I-Bind, including the iodine directly bound, may then be immediately wiped up. I-Bind is not abrasive, alkaline, or acidic and is therefore safe to use on the aluminum wells of gamma counters. I-Bind may be used as a daily hand wash to remove iodine. Use I-Bind to protect the laboratory from the dangers of iodine radioactive contamination.—*I-Bind, 6374 St. Therese Way, San Diego, CA 92120.*

Circle Reader Service No. 51

Microstat Gamma Counter

Ideal for STAT, overflow, or esoteric assay, the new Microstat® gamma counter with twenty matched crystals is now available from Micromedic Systems Inc.

The Microstat gamma counters were designed for those laboratories that need a gamma counter with very high (machine) throughput and rapid answer turnaround time. With the Microstat gamma counter, a 500 sample assay can be counted in just over 25 minutes. It has a turnaround time of up to 1,200 tubes per hour, assuming a one minute counting time. The Microstat gamma counter also accepts a variety of tube sizes, up to 15mm.

The Microstat gamma counter has two preset windows for I-125 or Co-57 and is capable of counting dual-label assays like B-12 Folate and LH/FSH. Microstat also includes automatic detector verification and background analysis and storage for user convenience.

Two data reduction options are available with the Microstat gamma counter. With MDR™ data reduction, a microprocessor-based system interfaces with a high-speed KSR terminal. Up to 16 protocols can be entered via the keyboard. The MDR system offers various real-time data reduction programs such as weighted log-logit, linear

interpolation, ratio and screen, and 3 point linear, thus providing the user the ability to data reduce virtually any type of RIA test, including the newer immuno-radiometric assays. The MDR system provides a full-page printout, including a standard curve plot.

When operated with the MACC™ data reduction system, Microstat offers the flexibility to do any type of curve analysis. The MACC system provides real-time data reduction for answers as fast as tubes are counted. It can also perform a variety of functions without interrupting the counting sequence. The MACC system includes a high-speed KSR terminal to optimize printout speed.

The Microstat gamma counter with 20 crystals comes with MDR Data Reduction and High Speed Printer for less than \$30,000 or MACC Data Reduction and High Speed Printer all for less than \$35,000.—*Micromedic Systems Inc., 102 Witmer Rd., Horsham, PA 19044.*

Circle Reader Service No. 52

Polaroid 35mm Instant Transparencies Use Unique Processing System

Polaroid's 35mm instant slide system for 35mm color and black-and-white photography provides finished slides in minutes. The system consists of a low-cost manual processor, a simple, inexpensive slide mounter, and new, easy-to-use Polaroid slide mounts.

The Polaroid 35mm AutoProcessor is a highly portable, lightweight unit designed to process Polaroid 35mm films in approximately three minutes.

After a roll of Polaroid 35mm film has been exposed and rewound in its cartridge, it is easily loaded into the AutoProcessor along with its matching processing pack. Operation of the AutoProcessor is identical for Polaroid color and black-and-white slide films.

The small, rectangular processing pack measures $2\frac{1}{4} \times 2 \times 1\frac{1}{2}$ inches ($6 \times 5.3 \times 3.8$ cm) and contains the correct amount of fluid for film processing, a strip sheet and an applicator. The processing pack is opened only after the

AutoProcessor has been firmly closed and latched, and a control lever depressed.

To load the processor, the user simply unhooks the strip sheet leader from the end of the processing pack, inserts the pack into its compartment in the processor, and attaches the leader to the take-up spool. The film cartridge is loaded in a similar manner.

To develop the film, the processing crank is turned clockwise. As it turns, processing fluid is evenly coated onto the strip sheet, which is then laminated to the exposed film. The crank is turned until the strip sheet and exposed film are wound together on the take-up spool.

After approximately one minute of development time for Polachrome CS and Polapan CT films (two minutes for Polagraph HC), a control lever is moved and the processing crank again turned clockwise to rewind the film into its original cartridge. Simultaneously, the strip sheet rewinds into the disposable processing pack, removing several layers of the processed film, including the negative silver and any unconsumed processing fluid. The processed film is completely dry and can be viewed, cut and mounted immediately.

Polaroid's unique 35mm slide mounter is lightweight and inexpensive. It is designed to mount Polaroid 35mm slides quickly and easily in specially designed slide mounts with a minimum of film handling. Individual frames can be cut from a processed roll of 35mm film immediately after they have been placed in the slide mount.

Constructed of high-impact ABS, it features a sharp stainless steel cutting blade and a safety catch for the blade handle. Durable rubber pads on the bottom of the unit prevent scratches when the unit is used on glass light tables and other surfaces.

The slide mounts are constructed of opaque, durable plastic. While specifically designed for the 35mm Autoprocess system, the Polaroid slide mounter and slide mounts may also be used for conventional slides.—*Polaroid, 575 Technology Square, Cambridge, MA 02139.*

Circle Reader Service No. 53

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