

New Products

Each description of the products below was condensed from information supplied by the 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.

New Radiological Laboratory Hood

Amerex, Inc. introduces the MERV-LHTM Radiological Fume Hood which provides maximum safety to the user, protects the environment, satisfies regulatory standards, and eliminates the guess work in laboratory ventilation/filtration. A totally

self-contained unit and proven performer, the MERV-LH arrives complete and ready for immediate use.

Designed and tested to become an integral performing part of institutional ALARA Programs, MERV-LH provides

radiation safety for laboratory personnel and protects the environment surrounding the laboratory from radiation and contamination releases. The unit meets ALARA requirements and USNRC Regulatory Guide standards of 8.10 and 8.18 on occupational exposure, in addition to providing a suitable working space for preparation and transfer of sterile radioisotopes.

The rugged welded steel unit with durable polyurethane surface coating provides excellent ventilation control—400 fpm face velocity. MERV-LH provides high efficiency absorption and filtration of radioiodine sources, containment control, and dilution of Xenon-133 and other volatile radiopharmaceuticals.

The integral sampling and monitoring loop provides for evaluation of maximum permissible concentration and a means to evaluate the primary carbon absorption unit.

The MERV-LH is constructed to meet or exceed standards and regulations for filtration, noise, electrical and lighting. The unit successfully provides 400 fpm control velocity, 99.9+ % radio-iodine compound filtration and less than 60db (A) noise levels. Electrically, the unit includes hospital grade fixtures in conformance with National Electric Code Standards and provides 50-100 foot candle lighting.

Ease of maintenance as well as accessibility in operation and cleaning is featured. Quick removal, inspection, and replacement is provided for all filters and canister components. Duplex power receptacle and integral lighting switch provide convenience in operation.

The MERV-LH is 32" × 42" × 30" and weighs 375 pounds. It has a working volume of 24 cubic ft. Unit sizes and capabilities are available to meet individual requirements.—*Amerex, Inc., 418 Highway 92, West, P.O. Box 1093, Woodstock, GA 30188.*

Circle Reader Service No. 31

Technicare's New Gemini Gamma Cameras

Technicare Corporation has revolutionized both the look and flexibility of nuclear medicine with its new Gemini 600TM and Gemini 700TM cameras. This design innovation is the result of an intensive engineering program started by Technicare in 1983.

Gemini coaxial cameras were conceived with clinical utility, as well as patient comfort, in mind. Both allow easy detector positioning, with seven motions to place the detector at any location without turning or moving the patient.

Two detector configurations are available. The Gemini 700 has an extra-wide 14.5" × 20" rectangular detecting area, while the Gemini 600 is a wide-field camera with a 15" hexagonal field of

view. Both use 3/8" sodium iodide crystals for optimized detection of low to high-energy gammas. Future plans include the addition of a second detector that will allow either camera to be upgraded in the field to shorten study times and increase throughput.

The Gemini design provides for maximum stability of detector location, in addition to an automated system to compensate for any residual mechanical flex encountered. Both circular and noncircular SPECT acquisitions can be performed with optimum results.—*Technicare Corporation, 29100 Aurora Road, Solon, OH 44139.*

Circle Reader Service No. 30

