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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 or by The Society of Nuclear Medicine. To receive product information, see page 45A.

Electronic Personal Dosimeter

The new Electronic Personal Dosimeter System (EPDS) from Siemens Gammasonics, Inc. is designed for medical technicians, nuclear power plant workers, or other workers regularly exposed to radiation. People who constantly work with radiation have traditionally worn film badges or thermoluminescent devices to detect and record their exposure to x-rays or gamma radiation. These monitoring methods, however, only provide exposure information on a delayed basis and often require considerable time and labor to process. The EPDS is the first device to provide instant direct readings of dose equivalent levels in mrem's over the full NVLAP range. Other electronic dosimeters provide information that must be converted to dose equivalent. The unit incorporates programmable alarms to alert the wearer should preset exposure levels be exceeded. With its open window, the EPDS is the only electronic dosimeter to measure beta, as well as x-ray and gamma radiation. The system includes an advanced direct computer interface that allows EPDS users to keep records and generate reports more quickly and economically. Siemens Gammasonics, Inc., Dosimetry Service, 2501 Barrington Road, Hoffman Estates, IL 60195. (800) 666-4552.

Automatic Sterilizer

The new Ritter M9 UltraClave Automatic Sterilizer from Midmark Corporation provides simple, dependable sterilization of wrapped and unwrapped instruments, pouches, packs, and liquids. Designed for use in medical offices, hospitals, clinics, nursing homes and labs, the M9 sterilizes quickly and efficiently with the touch of a few buttons. The user can select the type of cycle needed, and the time is automatically set. By pushing the Start/Standyby button the M9 automatically fills with the correct amount of water. Cycle time start to finish with unwrapped instruments is 22 minutes cold, 12 minutes hot. When the entire sterilization process is complete, the M9's door opens automatically to dissipate steam and dry the instruments. Additional features like Door Ajar and Error Indicator Light add to the M9's efficiency. LED Temperature/Time Display shows the unit's temperature and time remaining. Unlike other sterilizers the M9's water reservoir is at the front of the unit so it's easy to drain. The impact dot matrix printer accessory provides a permanent record of cycles, time and temperature. Two large stainless steel trays and two small stainless trays are included. Midmark Corporation, Versailles, OH 45380. (513) 526-3662.

Analog Multiplexers

Canberra Nuclear announces the release of two new analog multiplexers, Models 8223 and 8224. The units can save users with low count rate applications a considerable amount of money by allowing multiple detector inputs to be processed by a single ADC and MCA. The 8223 is a single wide NIM that can multiplex eight detector/preamp/amplifier inputs. As many as eight 8223s may be used in a single ADC/MCA system. The start and stop control of all the 8223 inputs is simultaneous and is controlled through the MCA. The 8224 is a double wide NIM that can also handle eight separate inputs. The maximum number of 8224s that may be used with one ADC/MCA system is four. The 8224 provides separate real and live time clocks for each input, which allow for independent as well as simultaneous start/stop control of the inputs. Both multiplexers are compatible with Canberra's full line of ADC and MCA Products. Canberra Industries Inc., One State Street, Meriden, CT 06450. (203) 238-2351 or (800) 243-4424.

Scientific Computing Products

MicroMath Scientific Software announces a new line of scientific computing products for the Apple Macintosh. MicroMath Calc (MM Calc) is a desk accessory calculator for the Macintosh (with System 7 version), that not only has the standard math and financial functions most calculators offer, but also contains many advanced features that have never before been available on the Mac. MM Calc is designed especially for scientists, programmers, mathematicians and engineers, although it makes an excellent utility for anyone who deals with numbers. It works with a variety of number types including real numbers, complex numbers, real number intervals, and Gaussian numbers. Automatic Unit arithmetic checks dimensions of equations and allows unit conversions. Hundreds of units and physical constants are already built into MM Calc, and the user can add his own units as well. This unit facility allows the user to express complex calculations in a very simple way, and ensures that the results are correct. MM Calc is the first product on the Macintosh or the PC to offer unit calculations with automatic unit factoring and dimensional analysis. MM Calc fully supports both mouse and keyboard use, and as a desk accessory runs on all Macs while using only 100KB of memory. A special System 7 version for the Macintosh is also provided that takes advantage of certain new System 7 features. MicroMath Scientific Software, P.O. Box 21550, Salt Lake City, UT 84121. (801) 943-0290.
Multi-Wire Gamma Camera

Xenos Medical Systems, Inc.'s new multiwire proportional counter gamma camera is designed after a proprietary multi-wire proportional detector developed at NASA for nuclear medicine cardiology procedures in space. The system utilizes a multi-wide matrix in a pressurized, xenon-filled chamber to replace the function of the older, commonly used sodium iodide crystal and photomultiplier tubes. This results in a compact, rugged, and portable imaging device that is five times faster than conventional gamma cameras, yields twice the spatial resolution of conventional gamma cameras, and is three times smaller in size and weight than conventional cameras. In conjunction with the development of the camera, a new radiopharmaceutical, tantalum 178, has also been developed. The development of this new, ultra short half-life isotope (T\textsubscript{1/2} = 9.3 minutes) has resulted in radiation doses equal to 3 to 5 percent that of the pharmaceuticals currently used in cardiology studies. This allows multiple serial studies to be performed safely. It also allows pediatric studies that were previously impossible to be performed now with safety. Xenos Medical Systems, 16850 Titan Drive, Houston, TX 77058. (713) 488-8830.

Synthetic Non-Latex Gloves

Becton Dickinson and Company announces B-D SensiCare, a new synthetic, non-latex medical glove that provides healthcare workers and patients protection and security from blood or bodily fluids, without risking the possible allergic reactions to latex. As more medical research becomes available, it is now apparent that the proteins found in latex gloves, traditionally worn by the majority of healthcare workers for protection, can cause allergic reactions ranging from minor skin irritations to labored breathing. The gloves feature a proprietary synthetic polymeric formula designed to increase strength, elongation, and durability; hypoallergenic qualities, eliminating the use of latex proteins, antioxidants, activators/accelerators; low powder levels; four sizes; and a smaller perforated opening in the box dispenser to decrease glove waste. Becton Dickinson and Company, Becton Dickinson Division, Rutherford, NJ 07070. (201) 460-2000.

Thermoluminescent Dosimeters and Accessories

Victoreen, Inc. offers materials that provide a stable, sensitive measuring means for gamma rays, x-rays, electrons, protons, and neutrons. The materials are lithium fluoride (LiF), calcium fluoride (CaF), and aluminum oxide (Al\textsubscript{2}O\textsubscript{3}) TL. LiF dosimeters, linear up to 400R total exposure, are ideal for medium range exposure work. Their useful range extends to several thousand R and, with appropriate annealing and calibration techniques, they provide excellent repeatability and stability. Manganese-activated CaF dosimeters, linear up to 10\textsuperscript{6} R total exposure, feature a wide dynamic range. Their useful range extends from 100 µRad to 105 R. They provide excellent linearity and reusability without complex annealing techniques. LiF dosimeters are available in chip, square rod, and bulb configurations. Al\textsubscript{2}O\textsubscript{3} dosimeters are extremely sensitive to gamma rays. They provide high sensitivity with minimum fading and simple re-use. They are useful for monitoring small amounts of exposure to the environment and workers in uncontrolled areas as well as conform to new ICRP recommendations and to the IOCRF20. Victoreen provides high sensitivity (LiF:Mg, P,Cu) TL dosimeters that detect low-level gamma rays and x-rays. With the capability to detect 10 µRad they are especially useful for monitoring very low levels of radiation exposure to personnel. In addition, they are linear to 1200 Rad, providing good coverage of the radiation therapy dose range. The Bulb Dosimeter is an axial lead connected, glass bulb TL detector contained in an energy correcting shield. The dosimeter bulb contains manganese-doped calcium fluoride for stability. It may be heated by passing 6.0 amperes through the electrical connections for 20 seconds. A peak light output occurs at approximately 10 seconds. A screw on cap contains sulfur and indium for use in detecting neutron exposures subsequent to a nuclear accident. The sulphur is read after breaking the cap open. The beta rays of phosphorus-32 are measured in order to determine that fast neutrons were involved in the exposure. The activation of the indium by thermal neutrons may be detected externally using a GM counter. The unit is fitted with a belt loop to permit securing on a belt or lanyard. An alligator clip is also provided. The Personnel Dosimeter Badge is a light-weight, 4 element holder for TLD chips. The dosimeter may be used with LiF:Mg, Ti, LiF:Cu, P, or aluminum oxide chips. Metallic absorbers are provided, which permit estimates of dose at a depth in the body in accordance with the requirements of IOCRF 20. The front surface of the dosimeter is smooth, providing a surface for an identifying label. An alligator clip is mounted to the back of the unit. Victoreen, Inc., 6000 Cochran Road, Cleveland, OH 44139. (216) 248-9300.
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Kit for the preparation of Technetium Tc99m Sestamibi
Clarity that lasts

Please see reverse for brief summary of prescribing information.
Cardiolite® Kit for the preparation of Technetium Tc99m Sestamibi

For Diagnostic Use

Description: Each 5 mL vial contains a sterile, non-pyrogenic, lyophilised mixture of:
- Tetrakis (2-methoxy isobutyl isocyanite) Copper (I) tetrabromoformate - 1.0 mg
- Sodium Chloride - 2.6 mg
- L-Cysteine Hydrochloride Monohydrate - 1.0 mg
- Mannitol - 30 mg
- Sodium Chloride, Dihydrate, minimum (SnCl2•2H2O) - 0.025 mg
- Sodium Chloride, Dihydrate, (SnCl2•9H2O) - 0.075 mg
- Tc Chloride (Stannous and Stannic) Dihydrate, maximum (as SnCl2•9H2O) - 0.086 mg

Prior to lyophilisation the pH is 5.3 to 5.9. The contents of the vial are lyophilized and stored under nitrogen.

The product is used to administer intravenous injection for diagnostic use after reconstitution with sterile, non-pyrogenic, endotoxin-free Sodium Pertechnetate Tc99m Injection. The pH of the reconstituted product is 5.3 (0.0-8.0). No bacteriostatic preservative is present.

The precise structure of the technetium complex is Tc99m(MIBI)2, where MIBI is a 2-methoxy isobutyl isocyanite.

Indications and Usage: CARDIOLITE® Kit for the preparation of Technetium Tc99m Sestamibi, is a myocardial perfusion agent that is useful in distinguishing normal from abnormal myocardial perfusion and the localization of the abnormality, in patients with suspected myocardial infarction. It is also useful in the evaluation of myocardial function using the first pass technique.

Contraindications: None known.

Warnings: In studying patients in whom cardiac disease is known or suspected, take care to assure continuous monitoring and treatment in accordance with safe, accepted clinical procedure.

Precautions: General

The contents of the vials are intended only for use in the preparation of Technetium Tc99m Sestamibi and are not to be administered directly to the patient without first undergoing the preparatory procedure (as outlined in full prescribing information).

Radioactive drugs must be handled with care and appropriate safety measures should be used to minimize radiation exposure to the patient and personnel. Also, care should be taken to minimize radiation exposure to the patient consistent with proper patient management.

Contents of the kit before preparation are not radioactive. However, after the Sodium Pertechnetate Tc99m Injection is added, adequate shielding of the final preparation must be maintained.

The components of the kit are sterile and non-pyrogenic. It is essential to follow directions carefully and to adhere to strict aseptic procedures during preparation.

Technetium Tc99m labeling reactions involved depend on maintaining the stannous ion in the reduced state. Hence, Sodium Pertechnetate Tc99m Injection containing oxidants should not be used.

Technetium Tc99m Sestamibi should not be used more than six hours after preparation.

Radiopharmacists should be used only by physicians who are qualified by training and experience in the sale and handling of radionuclides and whose experience and training have been approved by the appropriate government agency authorized to license the use of radionuclides.

Carcinogenesis, Mutagenesis, Impairment of Fertility

In comparison with most other diagnostic technetium-labeled radiopharmaceuticals, the radiation dose to the ovaries (0.5 rad/30 mcI) is high. Minimal exposure (ALARA) is necessary in women of childbearing capability. (See Dosimetry subsection in DOSAGE AND ADMINISTRATION section.)

The active intermediate, Cu(MIBI)BF4, was evaluated for genotoxic potential in a battery of five tests. No genotoxic activity was observed in the Ames, CHO/H49F and sister chromatid exchange tests (all in vitro). At cytotoxic concentrations (20 mg/L), an increase in cells with chromosome aberrations was observed in the in vitro human lymphocyte assay. Cu(MIBI)(BF4)2 did not show genotoxic effects in the in vitro mouse micronucleus test at a dose which caused systemic and bone marrow toxicity (0.0 mg/kg, > 600 x maximal human dose).

Pregnancy Category C

Animal reproduction and teratogenicity studies have not been conducted with Technetium Tc99m Sestamibi. It is also not known whether Technetium Tc99m Sestamibi can cause fetal harm when administered to a pregnant woman or can affect reproductive capacity. There have been no studies in pregnant women. Technetium Tc99m Sestamibi should be given to a pregnant woman only if clearly needed.

Ideally, examinations using radiopharmaceuticals, especially those elective in nature, of a woman of childbearing capability, should be performed during the first few (approximately 10 days) following the onset of menses.

Nursing Mothers

Technetium Tc99m Pertechnetate is excreted in human milk during lactation. It is not known whether Technetium Tc99m Sestamibi is excreted in human milk. Therefore, formula feedings should be substituted for breast feedings.

Pediatric Use

Safety and effectiveness in children below the age of 18 have not been established.

Adverse Reactions: During clinical trials, approximately 8% of patients experienced a transient metallic or bitter taste immediately after the injection of Technetium Tc99m Sestamibi. A few cases of transient headache, flushing and non-itching rash have also been attributed to administration of the agent. One patient demonstrated signs and symptoms consistent with seizure, 8 to 10 minutes after administration of the drug. No other adverse reactions specifically attributable to the use of Technetium Tc99m Sestamibi have been reported.

Dosage and Administration: The suggested dose range for I.V. administration to be employed in the average patient (70 kg) is:

- 370 to 1110 MBq (10 to 30 mCi)

The dose administered should be the lowest required to provide an adequate study consistent with ALARA principles (See also PRECAUTIONS). When used in the diagnosis of myocardial infarction, imaging should be completed within four hours after administration (see also CLINICAL PHARMACOLOGY section in full prescribing information).

The patient dose should be measured by a suitable radioactive calibration system immediately prior to patient administration. Radiochemical purity should be checked prior to patient administration. Parenteral drug products should be inspected visually for particulate matter and discoloration prior to administration whenever solution and container permit.

Store at room temperature (15 to 30°C) before and after reconstitution.

Radiation Dosimetry: Table 4 shows the radiation doses to organs and tissues of an average patient (70 kg) per 1110 MBq (30 mCi) of Technetium Tc99m Sestamibi injected intravenously.

<table>
<thead>
<tr>
<th>Organ</th>
<th>2.0 hour void</th>
<th>4.0 hour void</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organ</td>
<td>MBq</td>
<td>mCi</td>
</tr>
<tr>
<td>Breasts</td>
<td>0.2</td>
<td>2.0</td>
</tr>
<tr>
<td>Gallbladder Wall</td>
<td>2.0</td>
<td>20.0</td>
</tr>
<tr>
<td>Small Intestine</td>
<td>3.0</td>
<td>30.0</td>
</tr>
<tr>
<td>Lower Large Intestine</td>
<td>5.4</td>
<td>55.5</td>
</tr>
<tr>
<td>Lower Large Intestine</td>
<td>3.9</td>
<td>40.0</td>
</tr>
<tr>
<td>Stomach Wall</td>
<td>0.6</td>
<td>6.1</td>
</tr>
<tr>
<td>Heart Wall</td>
<td>0.5</td>
<td>5.1</td>
</tr>
<tr>
<td>Kidneys</td>
<td>2.0</td>
<td>20.0</td>
</tr>
<tr>
<td>Liver</td>
<td>0.6</td>
<td>5.8</td>
</tr>
<tr>
<td>Lungs</td>
<td>0.3</td>
<td>2.8</td>
</tr>
<tr>
<td>Bone Surfaces</td>
<td>0.7</td>
<td>6.8</td>
</tr>
<tr>
<td>Thyroid</td>
<td>0.7</td>
<td>7.0</td>
</tr>
<tr>
<td>Ovaries</td>
<td>1.5</td>
<td>15.5</td>
</tr>
<tr>
<td>Testes</td>
<td>0.3</td>
<td>3.4</td>
</tr>
<tr>
<td>Urinary Bladder</td>
<td>2.0</td>
<td>20.0</td>
</tr>
<tr>
<td>Total Body</td>
<td>0.5</td>
<td>4.8</td>
</tr>
</tbody>
</table>


How Supplied: Du Pont's CARDIOLITE® Kit for the preparation of Technetium Tc99m Sestamibi is supplied as a 5 mL vial in kits of two (2), five (5) and thirty (30) vials, sterile and non-pyrogenic.

Prior to lyophilization the pH is between 5.3 and 5.9. The contents of the vials are lyophilized and stored under nitrogen. Store at room temperature (15 to 30°C) before and after reconstitution. Technetium Tc99m Sestamibi contains no preservatives. Included in each two (2) vial kit is one (1) package insert, five (5) vial shield labels and five (5) radiation warning labels. Included in each five (5) vial kit is one (1) package insert, five (5) vial shield labels and five (5) radiation warning labels. Included in each thirty (30) vial kit is one (1) package insert, thirty (30) vial shield labels and thirty (30) radiation warning labels.

The U.S. Nuclear Regulatory Commission has approved this reagent kit for distribution to persons licensed to use byproduct material identified in 35.100 and 35.200 of 10 CFR Part 35, to persons who hold an equivalent license issued by an Agreement State, and, outside the United States, to persons authorized by the appropriate authority.

Marketed by The Du Pont Merck Pharmaceutical Company Radiopharmaceuticals Division 321 Treble Cove Road Billerica, Massachusetts USA 01821 Tel: Toll Free 800-225-1572 (For Massachusetts and International, call 617-482-9595)
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**Rates for Classified Listings** — $50.00 per line or fraction of line (approx. 50 characters per line, including spaces). Please allow 28 characters for the first line which will appear in capital letters. Special rates for SVM members on Positions Wanted: $10.00 per line. Note: Box numbers are available for the cost of the 2 lines required.

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Deadline — First of the month preceding the publication date (January 1 for February issue). Please submit classified listings typed double spaced. No telephone orders are accepted.

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### Positions Available

#### Biochemist

POSTDOCTORAL POSITION: Available immediately to participate in a new radiopharmaceutical program at Stanford University Hospital. Responsibilities include the labeling of monoclonal antibodies for patient administration and related research. Applicants should have completed a Ph.D. in a related biomedical or chemical field. Salary will be dependent upon years of experience and postdoctoral work. Send curriculum vitae and names of three references to: Susan J. Knox, M.D., Ph.D., Department of Radiation Oncology, Stanford University Medical Center, Stanford, CA 94305. EOE.

Faculty

The Faculty of Medicine (Charité) of the Humboldt University of Berlin invites applications for a C4 PROFESSORSHIP IN NUCLEAR MEDICINE (Chairmanship) (reference number: Prof. 44/92). The applicant must be able to represent the field of nuclear medicine as it pertains to patient care, teaching and research. An excellent and specific qualification is required. Experience in positron-emission tomography is desirable. The university wants to increase the number of women in its scientific staff. Therefore it would especially welcome applications from female scientists. Disabled persons of equal aptitude will be given preference. Written applications including curriculum vitae, description of the scientific career, documents, list of papers as well as selected publications should be addressed to: Herr Prof. Dr. H. Mau, Dekan der Medizinischen Fakultät, Humboldt-Universität zu Berlin, Schumannstraße 20/21, 0-1040 Berlin—not later than July 24, 1992.

Fellowship

NUCLEAR CARDIOLOGY FELLOWSHIP available July 1993-July 1994 at Yale University Cardiovascular Nuclear Imaging Laboratory. Applicants should have completed either Cardiology or Nuclear Medicine training. The program offers extensive exposure to all clinical and research aspects of myocardial perfusion imaging (planar and SPECT) and first pass and equilibrium radionuclide angiography. Commitment to research during the fellowship is required. Research areas include myocardial perfusion imaging with new imaging agents, ambulatory left ventricular function monitoring with VEST and miniaturized probes. Furthermore, there will be opportunity to be involved with PET imaging and experience in cardiac and pulmonary imaging. Contact: Frau J. Th. Wackers, MD, Yale University School of Medicine, Cardiovascular Nuclear Imaging Laboratory, 333 Cedar ST TE-2, New Haven, CT 06509. Tel: (203) 785-4977. FAX: (203) 785-7075.

**Pharmacist**

STAFF NUCLEAR PHARMACIST, Temple, Texas. Scott and White, a major clinic and 353-bed teaching hospital located in central Texas is seeking a trained pharmacist to provide expanded nuclear pharmacy services. Candidates must be licensed or eligible for Texas licensure with one year of advanced radiopharmacy studies or two years of experience in a Nuclear Pharmacy. Position is responsible for the procurement, preparation, distribution and disposal of radioactive and related non-radiopharmaceuticals. Scott and White offer an excellent benefits package, highly competitive salaries, and relocation assistance. Qualification candidates send resume and salary history for position F2857 to: Grace Cole, Employment Manager, 2401 S. 31st. St., Temple, Texas 76508. EOE.

**Physician**


**Physicist**

BIOMEDICAL PHYSICIST: The Yale University/West Haven V.A. PET Center is seeking application for a PhD biomedical physicist at the assistant professor level. Duties include teaching and research in the field of medical physics. Previous experience must include at least two years of postdoctoral training with expertise in nuclear instrumentation and biochemical validation of tracer kinetic models for PET radiotracers using a variety of animal models. The position is available immediately. Qualified individuals direct resume to: Robert Souer, MD, Chief, Yale University/VA PET Center (USA), West Haven, CT Medical Center, 950 Campbell Avenue, West Haven, CT 06516 or telephone (205) 937-3882. Yale University is an equal opportunity/affirmative action employer. Applications from women and minority groups are encouraged.

**Radiochemist**

CHIEF OF PET RADIOCHEMISTRY. The Department of Radiology at the University of Pennsylvania School of Medicine is seeking a faculty member to serve as chief of PET radiochemistry in the Center for Functional and Metabolic Imaging. Responsible for the supervision of the Radiochemistry Laboratory including radiopharmaceutical development and synthesis of radiopharmaceuticals for the PET program. The successful candidate will have a PhD in chemistry, proven experience in PET radiochemistry and recognized excellence in radiopharmaceutical research. Salary and benefits are competitive. The faculty position will be commensurate with experience.

### Certified Nuclear Medicine Technologist

**BASF Corporation**

Consumer Products and Life Science Division

BASF Corporation is a Fortune 100 Company, where innovative thinking creates new products, new services and new worlds of technological excellence.

Due to expansion, Knoll Pharmaceuticals, one of America's leaders in the manufacture of diversified pharmaceuticals, has an immediate opportunity available for a Certified Nuclear Medicine Technologist in the Los Angeles area.

Qualified applicants should be a certified nuclear medicine technologist with a minimum 2-5 years experience in nuclear medicine imaging. Previous sales experience in nuclear imaging activities is preferred. Position will be responsible for supporting our Hospital Sales Force in the sale of monoclonal antibody imaging agents for the detection of cancer.

Innovative thinking has fueled the growth of BASF for over 125 years. Our compensation, bonus and benefits program, including a company car, are representative of our industry leadership position. For prompt consideration, please forward resume and salary history to: Human Resources, Dept. 45/15, Knoll Pharmaceuticals, a unit of BASF K & F Corporation, 30 North Jefferson Road, Whippany, NJ 07981. An Equal Opportunity Employer.
with qualifications and previous experience. The University of Pennsylvania is an affirmative action and equal opportunity employer. Address inquiries to: Dr. Robert Kesler, Director, Center for Functional and Metabolic Imaging, Department of Radiology, HUP/Radiology Administration, 3400 Spruce Street, Philadelphia, PA 19104.

Radiologist
NW Rocky Mountains: RADIOLOGIST - Nuclear Medicine. Highly respected eight person group with strong subspecialty interests seeks highly qualified individual. Fellowship or academic experience preferred. Nuclear Medicine boarded or ABR special competency strongly desired. Position includes all aspects of nuclear medicine in a comprehensive advanced department. Practice is located in Boise, Idaho, which has many recreational and cultural amenities. Reply to Paul Traugher, MD or J. Tim Hall, MD, Department of Radiology, St. Alphonus Regional Medical Center, 1055 No. Curtis Rd., Boise, ID 83706, (208) 378-2161.

DIAGNOSTIC RADIOLOGIST-Nuclear Medicine-600-bed hospital. Midwest-based private practice Radiology group seeking applications for a BE/BC radiologist with Nuclear Medicine competency and interest. Successful applicant will devote 50% of their time to nuclear medicine and remaining involved in diagnostic radiology. Nuclear Medicine Department utilizes state-of-the-art SPECT and planar equipment to support a wide range of imaging studies including nuclear cardiology. Equipment includes a majority of Siemens cameras and computers as well as a Triomex Triad camera. Imaging studies available include new heart agents and monoclonal antibodies. Excellent salary, benefits, retirement and vacation. Interested candidates should send CV and references to: James E. Call, MD, Radiology Nuclear Medicine, Inc., 622 Doctors Building, 4239 Farnam Street, Omaha, Nebraska 68131.

Technologist
CHIEF NUCLEAR MEDICINE TECHNOLLOIST. The VA Medical Center, San Francisco, has an opening for a supervisory technologist, F/T. The Nuclear Medicine Service performs a full spectrum of in vivo and in vitro studies with emphasis on cardiology and has a strong affiliation with UCSF. Candidate must be certified in Nuclear Medicine and a U.S. citizen. Some supervisory experience and familiarity with SPECT systems would be highly desirable. Special salary rates are in effect; the precise level depends on qualifications. Contact Dr. Cavaleri, VA Medical Center (115), 4150 Clement St., San Francisco, CA 94121. Tel: (415) 750-2070. The VA is an Equal Opportunity Employer.

NUCLEAR MEDICINE TECHNOLLOIST. Construction is underway for a 39.9m building renovation and services expansion project. Bartholomew County Hospital has a full-time, day opening with rotating call for a Technologist to work in our growing Radiology Nuclear Imaging Department. Position requires AART, registered in nuclear medicine (NMT). Bartholomew County Hospital is located in Columbus, Indiana, a metropolitan area, and is home to the corporate headquarters of two Fortune 500 companies and is famous for its architecture and progressive city planning. Just 20 minutes from the scenic hills of Brown County and Nashville, Indiana, 40 miles from Bloomington or southern suburbs of Indianapolis. Columbus is an ideal location for career and family opportunities. All expenses paid interview opportunity, relocation reimbursement and competitive salary and benefits including continuing education. Please send resume to, or call collect (812) 736-5297, Judy Maud. Bartholomew County Hospital, 2400 East 7th Street, Columbus, Indiana 47201. An Equal Opportunity Employer.

NUCLEAR MEDICINE TECHNOLLOIST. The Malinkrodt Institute of Radiology at Washington University Medical Center, St. Louis, MO, has an immediate opening for a F/T registered or registry eligible technologist. Progressive department with excellent benefit package. Interested applicants call Kathleen Johnson-Brumden at (314) 362-2808. Affirmative Action/Equal Opportunity Employer. M/F/H/V.

NUCLEAR MEDICINE TECHNOLLOIST positions available nationwide. Confidential searches. All fees employer-paid. Dunhill of Bel Air, PO. Box 267, Bel Air, MD 21014; (800) 753-6693; Fax: (480) 836-0953; E.O.E.

Positions Wanted
NUCLEAR MEDICINE PHYSICIAN ABNM/BABR Certified, experience in all aspects of Nuclear Medicine. Reply to: Box 808, The Society of Nuclear Medicine, 156 Madison Ave., New York, NY 10016.

North Shore University Hospital-Cornell University Medical College

RESIDENCY
NUCLEAR MEDICINE
An Unexpected Vacancy

First year Residency in Nuclear Medicine is available at North Shore University Hospital-Cornell University Medical College. The program is fully approved and includes all standard aspects of training as well as in-depth experience in Positron Emission Tomography (PET). We are a leader in this field with five years experience in PET and radiochemistry. If you have completed 2 years of approved training in Internal Medicine, Pathology, Radiology or an allied field and are interested in a rapidly developing specialty field contact: Dr. Donald Margoulieff, Program Director, Division of Nuclear Medicine, North Shore University Hospital, 300 Community Drive, Manhattus, NY 11030 or call (516)962-4400. An Equal Opportunity Employer.

Health Care Ahead of its Time.
The New England and Greater New York Chapters, Society of Nuclear Medicine Announce the 7th Northeast Regional Meeting
Friday, Oct. 16 - Sunday, Oct. 18, 1992
Trump Regency Hotel, Atlantic City, N.J.

- Functional Brain Imaging
- Cardiac SPECT
- Regulatory Policy
- Radiation Safety
- Infection Imaging
- Tumor Imaging
- Bone Imaging
- Chapter Bowl
- ACNP Practice Enhancement

General inquiries to:
Mitchell H. Stromer
Meeting Administrator
360 Cedar Lane
East Meadow, New York 11554
Phone: (212) 904-4180

Abstract inquiries to:
Walter J. Slizofski, M.D.
Hahnemann University
Nuclear Medicine
Mail Stop 309
Broad and Vine Streets
Philadelphia, Pennsylvania 19102

Abstract deadline... Sept. 7, 1992
SPECT BRAIN IMAGING CLINICAL FELLOWSHIP

Department of Radiology
Section of Nuclear Medicine

BENEFIT:
This program is designed for nuclear medicine physicians, radiologists, technologists and referring physicians. It is intended to educate participants about the clinical utility of SPECT brain imaging with agents such as SPECTamine® and Ceretec®.

Objectives include:
- Development of interpretation skills for brain images.
- Appreciation of clinical applications of SPECT brain imaging.
- Knowledge of image acquisition and reconstruction.
- Appreciation of factors that influence image quality.
- Knowledge of quality control techniques for SPECT.

SPONSORSHIP:
This program is sponsored by the Medical College of Wisconsin.

TUITION:
The tuition fee of $650 includes the course syllabus, handouts, breaks, breakfasts, lunches, and other amenities involved in making this a pleasant learning experience. Maximum enrollments have been established. Cancellations prior to the course will be refunded, less a $30 administrative fee.

CREDIT:
The Medical College of Wisconsin is accredited by the Accreditation Council for Continuing Medical Education to sponsor continuing medical education for physicians.

Accordingly, the Medical College of Wisconsin designates this continuing medical education activity as meeting the criteria for 13.00 hours in Category I toward the Physician’s Recognition Award of the American Medical Association.

Nuclear Medicine Technologists who attend the SPECT Brain Imaging Clinical Fellowship are eligible for 1.0 VOICE credit.

RADIOPHARMACIST

The Clinical Center, National Institutes of Health, Bethesda, MD, is seeking a full-time radiopharmacist to assist in production and quality control of a wide variety of new and established radiopharmaceuticals in the Positron Emission Tomography Department.

The PET Department has an active program in radiopharmaceuticals, radiopharmacy, imaging physics, modeling, and data analysis sciences. Extensive resources are available including: two medical cyclotrons, six radiochemistry hot cells and four chemistry laboratories, three PET tomographs (two brain and one whole-body units), and computer hardware and software for the generation and analysis of physiological images.

Applicants should hold a pharmacy degree and have experience in radiopharmacy either through a formal training program or two years in a nuclear medicine department. Appointment through either the Civil Service or the Public Health Service Commissioned Corps personnel system is available. Salary commensurate with experience. U.S. citizenship is required.

To obtain application materials or for more information, contact:
William C. Eckelman, Ph.D.
Chief, PET Department
9000 Rockville Pike
Building 10, Room 1C401
Bethesda, MD 20892-0010
301/496-6455

Mary Kucevich
Personnel Mgmt Specialist
9000 Rockville Pike
Building 10, Room 1N312
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301/496-6895

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Nuclear Medicine Technologists

With 9 acute care hospitals, 8 urgent care centers, 3 national park facilities, and air ambulance services, Samaritan Health Services' diverse multihealthcare network offers exceptional opportunities.

If you enjoy working in a busy, progressive environment with challenging growth potential, Samaritan has something to suit your style. Our advanced equipment includes MDS & VAX Microdelta computers and Spark stations; Siemens 7500 ZLC SPECT cameras; Picker Dyna-Mo Mobile cameras; Technicare Omega 500; Siemens LFOV; DPX Bone Density Unit; and Siemens 951/31 PET scanner.

We are looking for self-motivated technologists with backgrounds in general imaging, nuclear cardiology, pediatric imaging, radiopharmacy and SPECT; NMTCB certification or registry eligibility is preferred.

So if you're ready for a challenging career move, call us at 1-800-395-4343 or write to us at: Samaritan Health Services, Personnel/Recruitment, 1441 N. 12th Street, Phoenix, AZ 85006.

An Equal Opportunity Employer

We support a drug-free work environment.

Samaritan Health Services
This year Nuclear Medicine Week (NMW) will take place in the Fall—October 4–10, 1992. The date was changed to give you a better opportunity to plan and take part in NMW, and in the hopes of increasing overseas participation.

Sponsored by The Society of Nuclear Medicine and Technologist Section, Nuclear Medicine Week was developed to educate the general public and health care professionals about the diagnostic and treatment capabilities of nuclear medicine.

Nuclear Medicine Week is the only time during the year that the entire nuclear medicine community unites to present its message. It is an excellent opportunity to reach out to those who could benefit from nuclear medicine; it is also a most opportune time to promote your facility to referring physicians and potential patients.

With the help of Du Pont Pharma, a new poster, button, and sticker have been designed to help you promote this worldwide event in your community. In addition, a set of guidelines with suggestions to increase participation is available from the Society. We encourage all those involved in nuclear medicine to join with us to increase the awareness and improve the perception of nuclear medicine.

To purchase posters, buttons, and stickers for your institution, and to receive a guidelines packet, visit the Nuclear Medicine Week booth located in the registration area of the Convention Center.
CELEBRATE
NUCLEAR MEDICINE WEEK
October 4–10, 1992

The following materials are available for promoting Nuclear Medicine Week in your area.

**Posters** — $5.00 each, 4 – 9 posters are $4.50 each, 10 or more $4.00 each.

I would like _______ posters × $ _______ $ __________

**Buttons** — $1.00 each

I would like to order _______ buttons $ __________

**Stickers** — $.25 each (same design as the button)

I would like to receive _______ stickers.
(Minimum order is 10 stickers) $ __________

Total $ __________

☐ I would like to order a free set of Guidelines for promoting Nuclear Medicine Week.

Payment must be enclosed with your order. Payments must be made in U.S. dollars drawn on U.S. banks. No foreign funds will be accepted. Make checks payable to:

The Society of Nuclear Medicine

Orders will be sent out by 1st class mail or UPS. Orders received after September 1, 1992 will be assessed a 15% surcharge, payable before shipment, to ensure timely delivery.

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Nuclear Medicine Week
The Society of Nuclear Medicine
136 Madison Avenue,
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  - Q.C.
    - CALCULATION OF DECAY
      - PT INJECTIONS
        - STATISTICS
        - BUDGET ANALYSIS
      - EXAMS
        - UNIT DOSE
        - PATIENT DATA
      - DISPOSAL REPORTS
      - REPORTS
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        - WEEKLY
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