Technetium Tc 99m Generator
Secondary shield to further reduce radiation

5cc and 10cc elution vials

Adaptors for various elution vials

5cc elution vials

Elution vial

Now Available—
3 Day/Week Calibration

Your Choice: Monday (New), Tuesday or Thursday

Call 800 MEDI-123 for details
FEATURES:

- Indicated for use in adults and children for urinary bladder imaging (direct isotopic cytography).
- The only Generator with an "open/closed" valve to eliminate possible leakage, both during shipment and in your hot lab.
- Unique horizontal elution procedure increases ease of use and eliminates needle-vial alignment problems.
- A new sterile needle is utilized for each elution, reducing the chances of a septic or pyrogenic situation occurring in routine clinical usage. This method is superior to competitive dry column systems where the same needle assembly is used for the life of the product.
- Fission product molybdenum 99 is used in the Technetium 99m Generator to provide Sodium Pertechnetate Tc99m activity concentrations sufficient for bolus injections.
- Internal saline reservoir eliminates the need to stock saline vials.
- Evacuated elution vials are available in 5cc, 10cc, and 20cc volumes, allowing you to optimize the elution concentration to meet your needs.
- Optimum shielding design minimizes radiation to personnel in work areas, providing maximum protection.
- Generator is compact, providing for optimum maneuverability. Generator handle and shipping carton provide for ease in handling and lifting.

TECHNETIUM Tc 99m GENERATORS for the Production of Sodium Pertechnetate Tc 99m

DESCRIPTION: The Technetium Tc 99m Generator is prepared with fission produced Molybdenum Mo 99 absorbed on alumina in a bed-eluent column and providing a means for obtaining sterile pyrogen-free solutions of Sodium Pertechnetate Tc 99m in sodium chloride injection. The eluate should be crystal clear. With a pH of 4.5—7.5, hydrochloric acid and/or sodium hydroxide may be used for pH adjustment. Over the life of the generator, an elution will contain a yield of 80% to 100% of the theoretical amount of Technetium Tc 99m available from the Molybdenum Mo 99 on the generator column. Each eluate of the generator shall not contain more than 0.1 microcuries of the Mo99 per millicurie Technetium Tc 99m per administered dose at the time of administration, and not more than 10 microcuries of aluminum per millicurie of generator eluate, both of which must be determined by the user before administration.

INDICATIONS AND USAGE: Sodium Pertechnetate Tc 99m is used in ADULTS as an agent for: brain imaging including cerebral radionuclide angiography; thyroid imaging; salivary gland imaging; placenta localization; blood pool imaging including radionuclide angiography; and urinary bladder imaging (direct isotopic cytography) for detection of vesico-ureteral reflux.

CONTRAINDICATIONS: None known.

WARNINGS: Radiation risks associated with the use of Sodium Pertechnetate Tc 99m are greater in children than in adults. In general, the younger the child the greater the risk owing to greater absorbed radiation doses and longer life expectancy. These greater risks should be factored into account in all benefit-risk assessments involving children.

PRECAUTIONS: As in the use of any radiotracel material, care should be taken to minimize radiation exposure to the patient consistent with proper patient management and to ensure minimum radiation exposure to occupational workers.

Carcinogenesis, Mutagenesis, Impairment of Fertility

No long-term studies have been performed to evaluate carcinogenic potential or whether Technetium Tc 99m may affect fertility in males or females.

Pregnancy Category C

Animal reproductive studies have not been conducted with Technetium Tc 99m. It is also not known whether Technetium Tc 99m can cause fetal harm when administered to a pregnant woman or can affect reproductive capacity. Technetium Tc 99m should be given to a pregnant woman only if the expected benefits to be gained clearly outweigh the potential hazards. Because animal reproduction studies are not always predictive of human response, this drug should be used during pregnancy only if clearly needed.

Adverse Reactions:

Allergic reactions including anaphylaxis have been reported infrequently following the administration of Sodium Pertechnetate Tc 99m.

How supplied: Sodium Pertechnetate Tc 99m is supplied as a Molybdenum Mo 99/Technetium Tc 99m generator ranging from 600 microcuries to 10,000 microcuries (in approximately 600 microcuries increments) of Molybdenum Mo 99 as of 10:00 P.M. Eastern Time of the day of calibration. The TECHNETIUM Tc 99m GENERATOR consists of:

1) Sterile generator; 2) Sodium Chloride Injection source; 3) 10 cc sterile evacuated vials; 4) Sterile needles; 5) Elution vial trays; 6) Conformed drug labels. Elution vials in 5 cc and 20 cc sizes are available upon request.

Initial order only

The TECHNETIUM Tc 99m GENERATOR should not be used after sixteen (16) days from the date and time of calibration.

Jointly manufactured by:
CINTICHEM, INC.
Tuxedo, N.Y. 10987

and

UNION CARBIDE CORPORATION
Tuxedo, N.Y. 10987

June, 1983
From the Leaders in Computerized Nuclear Medicine

MODUMED™, A²™, A³™ and now A¹™

A-Prime is introduced. A new system built on a history of state-of-the-art developments, A-Prime offers what has become the standard in Nuclear Medicine Imaging capabilities. Standard studies such as MUGA™, introduced in 1975 by Medical Data Systems, opened the way for the practical routine use of computers in nuclear medicine.

A-Prime now opens the way for every hospital and clinic to have the advantages of computerized Nuclear Medicine Imaging. The A-Prime advantages are many:

- Low Cost
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- Veteran Field Service Organization
- Fully Compatible with A² and A³

Quality, low cost computerized Nuclear Imaging is now available. Give your local MDS representative or Rick Zahler, Nuclear Product Manager, a call at (313) 769-9353. They would like to talk to you. Or tear off, fill out and send in the corner of this advertisement for more information.

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Only LUNAR RADIATION densitometers are built with the expertise to allow early diagnosis and precise monitoring of therapy. The DP3 Spine/Femur Scanner features:

- Automatic edge and baseline detection
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See why 90% of American users choose LUNAR for dual-photon absorptiometry. A research quality instrument built with all the medical physics support you'll ever need. But when you do need more, there is unparalleled input from the team of Wisconsin experts who developed absorptiometry as well as next-day replacement service.

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*Measures the total skeleton as well as spine and femur.*

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*A high precision (1%) scanner for measurement on the limbs.*

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Picker International's new Data Mo is a completely integrated mobile camera and computer. Its mobility brings all the benefits of high resolution imaging and quantitative analysis right to the patient. Fully supported software is available for your clinical setting. Use the Data Mo in intensive care, cardiac care unit or emergency room. Even right in the Nuclear Medicine Department to take the strain off peak workload periods.

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Introducing Digital Nuclear Cardiology.

Digital nuclear cardiology is here. We have the fastest, most accurate, most complete, most automated system ever.

At the lowest price ever. And it's mobile.

**A million counts per second. Honest.**

Baird Corporation's all-new SCINTICOR™ does it. One million c.p.s.—the highest clinical count rates ever achieved by any gamma camera—redefine the state of the art.

An honest million. No buts, no maybes, no ifs. No kidding.

**Our camera thinks on its feet.**

Or more accurately, on its wheels. The mobile camera is an intelligent detector with its own interactive array processor built in. All corrections for isotope decay, uniformity, energy deadtime and background are done on the fly, without data loss during acquisition.

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The mobile computer console incorporates five microprocessors for distributed data processing.

More computing power gives you more data, and more flexible use of data. For the first time, a completely automated Baird system is also programmable.

Not that you'll need programming. Only SCINTICOR™ is delivered with turn-key software for first pass, gated equilibrium and Thallium studies.
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**Push us around.**

The mobile camera and computer consoles are connected by a high speed fibre optic cable, and may be operated up to 100 meters apart. Measure cardiac function with equal ease at the patient’s bedside, in the stress lab, cath lab, ICU, CCU, emergency room or in the nuclear medicine department.

All in all, it’s the best nuclear cardiology system ever.

**And the price is a pushover.**

The cost is so low most hospitals don’t need a certificate of need. And private office, outpatient facilities will find it profitable even with modest patient loads. With SCINTICOR™ through-put goes through to the bottom line.

Come on. Be a millionaire. You can count on it.
CIS! take a deep breath!

EASY AND RELIABLE
CIS ELUMATIC III, a wide range of $^{99m}$Tc generators (50 mCi to 500 mCi calibrated in Technetium) with proven performance worldwide.
Now available: a specially designed additional lead shielding allowing a totally safe work around the generator.

A COMPLETE RANGE
CIS TCK Kits, the most complete set of products to be labelled with $^{99m}$Technetium.
VENTICIS AEROSOL SYSTEM

- Safe, compact, ready-for-use, single use radioaerosol delivery system.
- Unique particle filter (Optimist*) producing a submicronic aerosol.
- Very low dead space.
- Always ready-to-use (used with $^{99m}$Tc and DTPA (TCK-6) or Colloidal (Re) Sulphide (TCK-17).
- Lung ventilation scanning with multiple views.
- Minimal cooperation needed from the patient.
- Specially designed lead shielding allowing safe and easy usage of Venticis.

* Optimist: trade mark of MEDICAID (England)
apex SPECT systems

Homing in on Perfection
Elscint: leader in Nuclear Medicine with the world's first digital systems. Today, still in the lead — with the world's best system for Single Photon Emission Computerized Tomography: Apex 415 ECT.

Apex ECT includes far-ahead features: vast computer power, circular or elliptical rotation, fully flexible clinical reporting, and operator-selectable Continuous or Step-and-shoot modes.

**apex ECT**

**Universal NM System**

Apex ECT is an easily-positioned conventional system, a capable single- or dual-pass whole-body scanner — above or below the table — and an exceptionally versatile, fully upgradeable rotational ECT scanner.

**apex ECT**

**Integrated Digital SPECT System**

Unlike most competitive systems, Apex ECT needs no accessory stand-alone computer; it has its own high-powered integrated multi-processor which controls acquisition, display and detector movement functions. A high speed array processor enables near-instantaneous reconstruction — only 2.4 seconds.

**apex ECT**

**Getting Closer For Better Resolution**

Apex ECT's elliptical orbit of rotation approximates the body's cross-sectional profile. The detector gets closer than in conventional circular orbits, greatly improving resolution.

**apex ECT**

**Covering All The Angles**

Apex ECT enables slice reconstruction along virtually any plane, automatically providing transaxial, sagittal and coronal data. Clinical reports can be prepared directly on-screen. Hard copy is produced by Elscint's FORMAX™ multiformat camera.

**apex ECT**

**Rotation Control for Specialized Needs**

In Continuous mode, variable rotation speed enables optimum scan selection. Arc is also selectable, up to 540°, with full cable protection through electronic auto-stop. In Step-and-shoot mode, rotational steps are computer controlled. A 180° arc begins and ends at any operator-selected position.
AMR presents

AccuSync

The finest R-wave Triggering device available for computerized gated cardiac studies.

AccuSync-5R Features

- Isolation Amplifier for Patient Safety.
- Digital CRT Monitor.
- ECG Strip Chart Recorder.
- Heart Rate/R-R int.
- Trigger Pulse LED.
- Trigger Control.
- R-Trigger Output, Compatible with all Computers.
- ECG Output.
- Playback Mode.
- Event Marker

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Are your diagnostic images FACT or FANCY?
Why accept “cosmetically” manipulated images?

A diagnostic image should tell you the truth.
Next time you’re reading the specifications on a nuclear imaging system, watch for words like “compensated,” “selected,” or “operator calibrated.”
These words may be telling you that what you get may not be what you’re looking for.

Siemens Nuclear Imaging Systems tell you the truth…
Some years ago, Siemens introduced ZLC™, the innovative energy and linearity distortion removal system. ZLC corrects intrinsic energy variations and spatial non-linearities—the major causes of non-uniformities in gamma cameras.

…the whole truth…
DIGITRAC™, the newest innovation in Siemens Camera Systems, is a microprocessor controlled PMT gain adjustment circuit incorporated in the detector. DIGITRAC automatically adjusts individual PMT gain (or drift) so that gamma ray photopeaks are precisely aligned throughout the camera field of view. Using nuclear radiation as the primary standard, the camera is recursively calibrated for the isotope being imaged.
...and nothing but the truth.
Siemens cameras with ZLC™ and DIGITRAC offer energy correction, linearity correction and recursive calibration without count skimming, count adding, or other “cosmetic” manipulations of the display.

DIGITRAC™
New technology that makes everything else something less than “state of the art”
ZLC with DIGITRAC is the step forward that makes all previous camera technology obsolete. Here’s what ZLC with DIGITRAC offers:

- Improved image quality by precise photopeak “windowing”—allowing increased target to background ratio
- Exclusive system diagnostics to increase patient throughput and to allow maintenance of maximum system performance
- The ability to schedule service when it’s convenient...because you always know the status of your PMT’s
- Minimal system downtime
- Reliable quality control information
- Consistent system performance—month after month, year after year

Note: Images shown are enhanced for graphic presentation only
ZLC™ with DIGITRAC™ is available in your choice of imaging systems: planar, whole body, cardiac or SPECT.

Siemens Counterbalance Systems
These systems offer all the flexibility you need for SPECT, whole body and planar imaging…without the need for additional space.

ZLC 7500S SPECT System with DIGITRAC
- ZLC 7500S offers ¼" or ⅜" crystal for optimum sensitivity or resolution
- Convenient push-button setup—reduces scatter and improves image quality
- Patented counterbalance stand with simplified controls and unique pivoting base for easier patient setup
- New powered SPECT table facilitates body contour tracking
- SPECT processor with dual isotope imaging capability allows automatic body contour mapping for attenuation correction
- ECT color monitor available as an option

Siemens ZLC 3700 System with whole body table
- ZLC 3700 camera with ¾" crystal and DIGITRAC
- New sophisticated electronics substantially increases throughput in whole body scanning
- Digital Operator's Terminal allows push-button setup of study parameters
- Compatible with your computer

Siemens Mobile Systems
Low-cost, efficient mobile systems to meet the imaging needs of your referring specialists…including pediatricians, cardiologists, endocrinologists, joint disease specialists and others.

New ZLC Low Energy Small Area Camera
- Lightweight design for easy maneuverability
- Add-on data processing for complete system capabilities
- Hard copy readout on 8" x 10" film
- ECG gating available
- Expanded count rate capability

Improved LEM™ ZLC Low Energy Mobile Camera
- New, rotational column swivels for critical patient positioning with lightweight design
- Unique power drive for easier maneuverability
- ZLC with DIGITRAC for image integrity

Siemens ROTA System
The ROTA Camera is uniquely designed to offer field upgrading. Choose a dual detector system now or a single detector system for upgrading later.
- ZLC with DIGITRAC
- Higher sensitivity and better image resolution in SPECT
- Digital readout for more definitive detector location

Siemens Nuclear Imaging Systems are quality systems…designed and manufactured to provide you with the most accurate diagnostic information obtainable.

Siemens is committed to advancing the state of the art of nuclear imaging through responsible innovation, user-oriented design and dedicated, knowledgeable service.

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NOW AVAILABLE

In the evaluation of pulmonary perfusion

MACROTEC™
Technetium Tc 99m Albumin Aggregated Kit

AS
PARTICLE
PERFECT
AS POSSIBLE

More than 90% of particles in optimal 10 to 90 micron range
The average size is 20 to 40 microns...and no particles are greater than 150 microns. You'll get excellent images throughout a full 6 hours after reconstitution. Meets all your lung perfusion evaluation needs...scheduled or stat. Reconstitution time ...only 6 minutes.

More than 80% lung uptake for reliable biological efficacy
Low supernatant activity (SA) and very high radiochemical purity (RCP) help assure biological efficacy you can depend on time after time.

The only MAA product indicated for use in isotopic venography

Please see adjacent page for brief summary.
DESCRIPTION

Macrotek is a sterile, nonpyrogenic, lyophilized preparation of albumin aggregated. Each 5 mL vial of Macrotek contains 15 mg of Albumin Aggregated, 10.0 mg Albumin Human, 0.06 mg (minimum) stannous chloride (maximum stannous and stannous chloride 0.4 mg), 18 mg of sodium chloride with trace amounts of sodium acetate, acetic acid and hydrochloric acid. Macrotek contains no preservatives. The pH of the reconstituted product is between 3.6 and 8.0.

The aggregated particles are formed by denaturation of Albumin Human in a heating and precipitation process. Each vial contains 1-8 million particles, 90% of which are between 10 and 90 microns in size. The average size is 20 to 40 microns; no particles are greater than 150 microns.

Reconstitution of Macrotek with sterile sodium pertechnetate Tc-99m forms an aqueous suspension of Technetium Tc-99m Albumin Aggregated for diagnostic use by intravenous injection. No less than 90% of the pertechnetate Tc-99m added to the reaction vial is bound to the aggregates at preparation time and remains bound throughout the 6-hour lifetime of the suspension.

INDICATIONS AND USAGE

Lung Imaging

Macrotek (Technetium Tc-99m Albumin Aggregated Injection) is a lung imaging agent which may be used as an adjunct in the evaluation of pulmonary perfusion in adults and children. It is useful in the early detection of pulmonary emboli and in the evaluation of the status of the pulmonary circulation in such conditions as pulmonary neoplasm, pulmonary tuberculosis and emphysema.

Isotopic Venography

Macrotek is also indicated for use in isotopic venography as an adjunct in the screening, diagnosis and management of deep vein thrombosis in the lower extremities. The combined isotopic venography of the lower extremities and the pulmonary vasculature may be performed.

CONTRAINDICATIONS

Technetium Tc-99m Albumin Aggregated Injection should not be administered to patients with severe pulmonary hypertension.

The use of Technetium Tc-99m Albumin Aggregated Injection is contraindicated in persons with a history of hypersensitivity reactions to products containing human serum albumin.

WARNINGS

The literature contains reports of deaths occurring after the administration of Albumin Aggregated to patients with pre-existing severe pulmonary hypertension. Instances of hemodynamic or idiosyncratic reactions to preparations of Technetium Tc-99m Albumin Aggregated have been reported.

PRECAUTIONS

General

In patients with right to left heart shunts, additional risk may exist due to the rapid entry of Albumin Aggregated into the systemic circulation. The safety of this agent in such patients has not been established.

Hypersensitivity reactions are possible whenever protein-containing materials such as pertechnetate labeled Albumin Aggregated are used in man. Epinephrine, antihistamines and corticosteroids should be kept available for immediate use.

The intravenous administration of any particulate material such as Albumin Aggregated imposes a temporary small mechanical impediment to blood flow. While this effect is probably physiologically insignificant in most patients, the administration of Albumin Aggregated is possibly hazardous in acute cor pulmonale and other states of severely impaired pulmonary blood flow.

The components of the Macrotek (Technetium Tc-99m Albumin Aggregated Kit) are sterile and non-pyrogenic. It is essential to follow directions carefully and adhere to strict aseptic procedures during preparation.

Contents of the vial are intended only for use in the preparation of Technetium Tc-99m Albumin Aggregated Injection and are not to be administered directly to the patient.

The contents of the kit before preparation are not radioactive. However, after the sodium pertechnetate Tc-99m is added, adequate shielding of the final preparation must be maintained.

The technetium Tc-99m labeling reactions involved depend on maintaining the stannous ion in the reduced state. Hence, sodium pertechnetate Tc-99m containing oxidants should not be employed.

The preparation contains no bacteriostatic preservative. Technetium Tc-99m Albumin Aggregated Injection should be stored at 2-8°C and discarded 6 hours after formulation.

Technetium Tc-99m Albumin Aggregated Injection is a physically unstable suspension and consequently the particles settle with time. Failure to agitate the vial adequately before use may result in non-uniform distribution of radioactive particles.

If blood is drawn into the syringe, unnecessary delay prior to injection may result in clot formation.

Radiopharmaceutists should be used only by physicians who have been trained and experienced in the safe use and handling of radionuclides and whose experience and training have been approved by the appropriate government agency authorized to license the use of radionuclides.

As in the use of any other radioactive material, care should be taken to minimize radiation exposure to patients consistent with proper patient management, and to minimize radiation exposure to clinical personnel.

Carcinogenesis, Mutagenesis, Impairment of Fertility

No long-term animal studies have been performed to evaluate carcinogenic potential or whether Technetium Tc-99m Albumin Aggregated Injection affects fertility in males or females.

Pregnancy Category C

Animal reproduction and teratogenicity studies have not been conducted with Technetium Tc-99m Albumin Aggregated Injection. It is also not known whether Technetium Tc-99m Albumin Aggregated Injection can cause fetal harm when administered to a pregnant woman or can affect reproductive capacity. There have been no studies in pregnant women. Technetium Tc-99m Albumin Aggregated Injection should be given to a pregnant woman only if clearly needed.

Ideally, examinations using radioisotopes, especially those effective 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 Tc-99m is excreted in human milk during lactation. Therefore, formula feedings should be substituted for breast feedings.

Pediatric Use

The lowest possible number of particles should be used in the right-to-left shunting, in neonates and in severe pulmonary disease.

ADVERSE REACTIONS

Although adverse reactions specifically attributable to the Technetium Tc-99m Albumin Aggregated Injection have not been noted, the literature contains reports of deaths occurring after the administration of Albumin Aggregated to patients with pre-existing severe pulmonary hypertension. Instances of hemodynamic or idiosyncratic reactions to preparations of Technetium Tc-99m Albumin Aggregated have been reported.

HOW SUPPLIED

Macrotek (Technetium Tc-99m Albumin Aggregated) is supplied as a kit containing 10 reaction vials (5 mL size).

SQUIBB

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The Solution

Precise, Repeatable Measurement
Through Single-Photon Rectilinear
Forearm Scanning Of Both Cortical
and Trabecular Bone

Now, for the first time, an easy-to-use, high precision
osteoporosis screening procedure is available for clini-
cal use for patient monitoring and management. With
the ND1100 Bone Density Scanner, bone mineral con-
tent (mass), can be measured quickly and inexpen-
sively, providing valuable early detection of the onset
or development of osteoporosis or other metabolic
bone diseases and disorders.

Utilizing an improved single-photon bone densito-
metry system with rectilinear scanning of both trabe-
cular and cortical bone of the forearm, the ND1100 is
the high-precision, low-radiation instrument you’ve
been looking for. Best of all, once baseline data is
established for a patient, minute changes in bone
mineral content which may occur in a relatively short
period of time can be monitored.

Useful for: Non-invasive screening for patient
monitoring and management
- Osteoporosis
- Renal Osteodystrophy
- and other metabolic bone
disorders and diseases

Gives You: 1% accuracy of measurement
1% precision (Repeatability)
Computer friendly easy operation
Patient files stored on tape
Hard copies of pertinent data
Economy

Used successfully in research for 15 years, the single-
photon absorptiometry technique is now available for
clinical osteoporosis screening. The ND1100 gives
you a new dimension for osteoporosis measurement
and monitoring. This in vivo procedure is reimburs-
able by Medicare.

For full details, send for our new brochure: "Bone
Densitometry Comes of Age – ND1100 Bone Density
Scanner."

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EXPANDING THE BOUNDARIES OF NUCLEAR IMAGING...

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The all-digital nuclear medicine department is a reality today with CDA's MaxDELTATM imaging and information system. This fully expandable, multi-user system will handle all of your department's current and changing requirements from the most advanced imaging to patient registration and scheduling, increasing the productivity of your department and improving the quality of the information on which your physicians must rely to make rapid and accurate diagnoses.

As the state of nuclear medicine advances, our MaxDELTATM system moves in tandem...ready to interface with the most advanced SPECT imaging equipment, to spearhead the next major technological thrust in imaging and information. We've built the future into every MaxDELTATM system. Our unique building block concept enables you to expand your system simply by adding disks and other expansion peripherals. Our unique imaging language, MEDICL,TM forms the base on which to build a whole new level of applications software. And our advanced systems development group is constantly working to expand the boundaries of imaging technology. CDA is committed to the needs of nuclear medicine.


CDA
Imaging & Information Tools Vital to Your Productivity.
CADEMA

the Aerosol Leader

LISTENS

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Cadema Medical Products, Inc.

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YOU DON'T HAVE TO KEEP YOUR FINGER ON THE TRIGGER!!

The BRATTLE R-DETECT automatically adjusts the threshold level... there is no manual setting needed.

**MODEL 210**

The BRATTLE R-DETECT offers you fully automatic R-wave triggering and is compatible with all nuclear medicine computers. In addition, the model 211 has a strip chart with EKG and event marker indicating the exact location of the R-DETECT signal.

**Special Features**
- Fully automatic threshold
- Only two electrodes
- High heart-rate capability... ideal for stress testing
- Selectable PVC rejection
- Digital heart-rate readout
- Pacemaker pulse rejection
- Flashing LED indicates QRS
- LED indicates faulty electrode connections
- Analog ECG output
- Compatible with all nuclear medicine computers
- Stripchart with EKG and R-DETECT event marker (model 211 only)

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Fundamentals of Nuclear Medicine

Edited by
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