Iron deficiency anemia testing—
As easy as throwing in the sponge!

Irosorb-59 is the second in a series of in vitro radio-pharmaceutical tests developed by Abbott Laboratories. The Irosorb-59 Sponge offers a remarkable degree of accuracy and simplicity that makes routine screening a practical matter.

Accuracy: The diagnostic accuracy of the test is unsurpassed in measuring latent iron-binding capacity. What's more, unlike other methods, it can be used following the administration of a hematinic.

Speed: Irosorb-59 can be washed quickly, there being only 3 washes. No incubators or shakers are needed.

Convenience: Irosorb-59 is in a disposable kit form ready for immediate use at room temperature.

Safety: No dilution or pipetting of radioactive material is necessary. Since the patient receives no radioactive materials, the test can be used in children, pregnant women, or in adults without any hazard of radioactivity.

Flexibility: The test does not require the presence of the patient for the determination of the radioactivity. Serums can be frozen and saved until a sufficient number has been collected to run a rack full of tubes at one time, or serum samples can be mailed to personnel performing the test.

Irosorb-59 is available to all doctors, hospitals and clinical laboratories—AEC licensing is not required.
Thyroid testing—
As easy as throwing in the sponge!

The Triosorb Sponge is an in vitro test providing accuracy, speed and convenience.

Accuracy: Because factors such as red blood cells and exogenous iodine have been eliminated from consideration in the Triosorb Test, it is unsurpassed in accuracy.

Speed: With only 3 washes and no need for double pipettings, shakers, or incubators, the Triosorb Test can be more rapidly performed than any other T-3 test.

Convenience: Available in a disposable kit ready for immediate use at room temperature. There is no dilution or pipetting of radioactive materials with Triosorb. It is the simplest and most convenient thyroid function test to perform.

“The resin sponge (Triosorb) technique is superior to the erythrocyte method for performing the I\(^{131}\) T3 test in terms of simplicity, convenience and elimination of errors characteristic of the erythrocyte procedure.”\(^{1}\)

“The T-3 uptake test was vastly improved by a resin-sponge . . . (Triosorb) . . . which is offered as a replacement for the red cells as well as for the loose granular resin which varies from day to day.”\(^{2}\)

Triosorb is available to all doctors, hospitals and clinical laboratories—
AEC licensing is not required.

Announcing

TETRASORB-125
T-4 DIAGNOSTIC KIT

On the opposite page, Abbott announces its 3rd “sorb” product—Tetrasorb-125. Please lift this page for information about Triosorb® and Irosorb-59®.
"For many years the protein-bound iodine (PBI) has been used as an indirect index of the level of thyroid hormones; however, in an appreciable number of cases it does not provide an accurate measurement, because compounds containing iodine or mercury are present."  

It is now generally recognized that a quantitative direct measurement of thyroid hormones in serum is the most valuable single laboratory aid in assessing thyroid function. 

"Using a resin-sponge and thyroxine tagged with I-125, a simple method was developed to determine serum thyroxine."  

That method is Tetrasorb-125, the first diagnostic kit offering a direct measurement of thyroid function by determining serum thyroxine. Hypothyroid patients show a decrease in serum thyroxine while hyperthyroid patients show an increase. 

Tetrasorb-125 is based on the principle of saturation analysis for measuring total serum thyroxine (T-4). Prior to the availability and convenience of the Tetrasorb-125 Kit, these results were reported for the T-4 test: 

"When T₄ and PBI values were compared, a good correlation (r=0.823) was obtained with a higher diagnostic accuracy for the T₄ determination. All euthyroid individuals with PBI’s elevated due to iodine had T₄ values in the normal range. . . . The T₄ level correlated well with the clinical status in hypothyroid subjects receiving T₄ or hyperthyroid subjects receiving various forms of therapy."

"Unlike the protein-bound iodine determination, this technique is entirely unaffected by iodine or mercury, an important advantage from the clinical point of view."

"These results proved that this method could be used as a routine clinical diagnostic test in place of the determination of PBI."

By requesting both Tetrasorb-125 (a direct measure of thyroid activity) and Triosorb® (an indirect measure of thyroid activity) for his patient, the physician is provided with more information than ever before possible. 

Tetrasorb-125 is available to all doctors, hospitals and clinical laboratories—AEC licensing is not required.


Announcing TETRASORB™ 125 T-4 DIAGNOSTIC KIT ABBOTT LABORATORIES NORTH CHICAGO, ILLINOIS

Abbott Laboratories, S.A., 2, rue Thalberg, 1201 Geneva, Switzerland
There's nothing new about Dual Head Scanners...
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Six years of proven clinical effectiveness with Dual Head Scanners, has brought one fact to light... don't plan the obsolescence of your radioisotope scanner before you purchase one.

The Model 54FD Dual Five is the only scanner available that provides scallop-free photoscans. The 500 cm./min. maximum scan rate produces two opposed, simultaneous photoscans before most other units have barely completed the first view. An exclusive miniscan system allows a whole body scan to fit on a single 14” x 17” film. A self-contained patient couch affords the patient comfort, with no need for additional movement.

The Model 54 may be purchased as a single head unit, and can be converted to a Dual Head unit right in your department.

Optional accessories include an inexpensive positron counting circuit and a two-isotope subtraction circuit.

Write for the NEW Dual and Single Head, Five and Eight Inch Radioisotope Scanner Brochure.
simplicity!

TECHNETOPE II

SQUIBB
Introducing
new Technetope® II
Squibb Technetium 99m
STERILE GENERATOR

A FAR SIMPLER GENERATOR . . .
Hooks, hangers, and handles complicate assembly, so you won't find any on Technetope II. It's so simple that, after the usual aseptic techniques, assembly consists basically of two insertions into the generator column. Then attach an eluent bottle, an evacuated collecting vial, and milk. That's simplicity.

. . . DESIGNED WITH "T.D.S." IN MIND
Time: Technetope II simplicity reduces assembly time...keeping radiation exposure to a minimum. However, proper radiation safety precautions should be maintained at all times.
Distance: Technetope II allows you to keep your distance. You don't have to be constantly near the generator because it is self-milking. And eluate collection is made at the side of the unit—away from an unshielded port.
Shielding: Technetope II has another half-value layer of lead shielding—without adding a cumbersome dispenser, additional cost, or special contract.

In addition, Technetope II is readily adaptable to tandem milking which provides high concentrations of 99Tc per ml.—another Squibb first and exclusive.

Technetope II (Squibb Technetium 99m) Sterile Generator provides a means of obtaining a sterile, non-pyrogenic supply of Technetium 99m (99Tc). 99Tc, the short-lived daughter (T1/2 = 6 hours) of Molybdenum 99 (99Mo, T1/2 = 67 hours), is obtained from the generator by periodic elution. The amount (in millicuries) of 99Tc obtained in the initial elution will depend on the original potency of the generator, while the activity obtained from subsequent elutions will depend on the time interval between elutions.

Warning: Proper radiation safety precautions should be maintained at all times. The column containing 99Mo need not be removed from the lead shield at any time. The radiation field surrounding an unshielded column is quite high. Solutions of 99Tc withdrawn from the generator should always be adequately shielded. The early elutions from the generator are highly radioactive. For radiation protection, a lead shield for the collecting vial is included with Technetope II.

For additional information on this advanced generator or the tandem milking technique, please use the coupon below.
CHARCOAT T-3. No fuss, no muss, no multiple pipetting or rinsing.

You don’t even have to throw in a sponge. What’s more, CHARCOAT T-3 tests take only thirty minutes — start to finish — without complicated setups. You do everything in one little two-part vial. Merely pipette 0.5 ml of patient serum into each test vial, invert, incubate, centrifuge, and count the supernatant. But don’t take our word for how simple and economical CHARCOAT T-3 kits are. Put one to the test. A standard kit (13 test vials) is only $20, and just a phone call away. Moreover, the extra long shelf-life of the CHARCOAT T-3 test kit makes quantity discount purchases practical. Ask about our Automatic T-3 Computer. Easy to use — no calculations. $1680 sale or lease.
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Now, Nuclear-Chicago makes it possible to realize even more of the clinical potential of Pho/Gamma III.

Because, information on radioisotope distribution in body organs, as visualized by Pho/Gamma III, can now be recorded—in digital form—on magnetic tape.

That's the function of our Magnetic Tape System. It consists of a multidimensional analyzer and the magnetic tape transport itself.

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Your Nuclear-Chicago sales engineer can tell you all about Pho/Gamma III and its expanded range of accessories, including the Magnetic Tape System. Please call him. Or write directly to us.

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The increasing importance of technetium-99m as a scanning agent in modern diagnosis needs no elaboration. But the degree of efficiency is inevitably linked with fast, reliable delivery - and also with availability of technetium-99m at all times, so that separate ordering is not required for each referral. With Stercow 99m ordering is simplicity itself - just a phone call to the nearest Duphar representative. All orders are despatched promptly during the weekend - pre-calibrated for the first day of use, usually Monday at 18.00 hrs M.E.T. An elution efficiency of approximately 80% is guaranteed. Further details will gladly be given on request. Samples are available free of charge.

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I’m Will Lepeska.
I now can offer you a totally different leasing plan for nuclear-imaging systems.

I have formed an independent company—Lepeska Leasing—that will lease nuclear-imaging systems under a unique type of arrangement. The salient features of this plan are of such potential benefit to you that I’d like to discuss them one by one.

"I’ll buy that." (You don’t have to.)
All currently available lease plans for scanners, scintillation cameras, and the like are essentially conditional-purchase contracts. The lessee is given the option to purchase the equipment at the end of the "leasing" period. In my standard plan, however, there is no purchase option in the leasing agreement. I offer you, quite simply, the option to renew your lease at the end of the agreed-upon period. I offer you a true leasing plan.

Here's the unique advantage to my standard lease plan. Since the lease payments are not designed to make up the actual purchase price, the payments are therefore lower than any other plan. You pay only for usage of the imaging system. You lease from your operating budget, rather than waiting to buy the system from your capital budget. To illustrate this important difference in payment, a brand-new imaging system with appropriate accessories (nominally priced at $40,000) can be leased from Lepeska Leasing for less than $800 per month over the standard lease period of five years. The same system would cost $1000 or more per month under other leasing plans with purchase options. And reconditioned systems (also available from Lepeska Leasing) can be leased on a year-to-year basis at even lower monthly charges. Should you trade in your used imaging system, lease payments can be reduced even further.

Obsolescence obsoleted.
The plan I’ve been talking about so far is the standard one, which offers the lowest possible monthly payments. But, if you, like many researchers and clinicians, view the field of nuclear medicine as a fast-moving one, then you’ll want to know about a special plan—one is the cancel-option plan. This plan includes a cancellation option, to be exercised by the lessee, at the end of the 2nd (or 3rd or 4th) year. Although the lease payments for such a plan will necessarily be greater than those for the standard plan, the advantage is one of flexibility. You can cancel when option time comes and re-lease new equipment. Or you can opt for continuation of the lease, with a subsequent reduction in payments.

Medicare and Blue Cross say "yes" to these plans.
A second advantage to both plans is that, by eliminating the purchase option, lease payments qualify as operating expense. And as such, they are 100% chargeable to and reimbursable by Medicare, Blue Cross, and similar programs—without the need to estimate and justify a depreciation schedule. The cost of protecting your hospital from obsolescence can thus be properly and simply shared.

What kind of equipment do you want?
Lepeska Leasing, as an independent leasing company, permits you to choose equipment of any manufacturer or to combine equipment from different manufacturers. You can choose from among the most respected names in the field: Bae, Atomic, Nuclear-Chicago, Oh Nuclear, Picker Nuclear.

A word about me.
In my recent capacity as marketing vice-president of Nuclear-Chicago Corporation, gained much first-hand knowledge of the problems of starting and upgrading a nuclear-medicine facility. Now, I'm devoting myself to the leasing of the nuclear imaging systems these facilities require. I know the field. I know the people in it. All of the independent activity of my company will be directed towards sharing that knowledge with my customers. Through a variety of low-cost, versatile leasing programs and options.

Act.
It comes down to this: If you're considering buying or leasing a nuclear-imaging device or system, or, if your hospital is delaying the purchase of such a system—contact me. In a meeting with you and your administrator, I can review the economics of leasing for your hospital. Write to Lepeska Leasing, 109 South Cook Street, Barrington, Illinois, 60010. Or call: (Area Code 312) 381-0777.

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The tiny
Unlike other scintillation cameras, Baird-Atomic's Autofluoroscope features computer-type memory. And that's saying a lot.

It says our non-volatile magnetic core memory can store raw digital data for each picture element. And restore image plane uniformity. It lets you flag any areas of the picture for numerical integration in dynamic studies. It permits fast storage on magnetic tape to provide more data points in dynamic studies. It lets you play back patient data in its original form at any time. Instantly. And because of magnetic core memory, the picture has the same integrity as the raw data. The fact is, magnetic core storage makes the Autofluoroscope a fundamentally more practical and objective tool. What's more, it's faster and easier to use in all procedures than other cameras. So if you're going to buy or lease an imaging device, you should talk to Baird-Atomic before you make your final decision. You owe it to yourself to fully understand why the tiny difference will make such a big difference to your program. Naturally, if you're not already thinking about the Autofluoroscope, we may not change your mind. But we'll give you a tough decision to make. Call for an appointment. 33 University Road, Cambridge, Massachusetts 02138, Telephone: 617 864-7420. Baird-Atomic Europe, The Hague, The Netherlands. Baird-Atomic Limited, Hornchurch, England.