

C-Trak Galaxy

Gamma Probe System

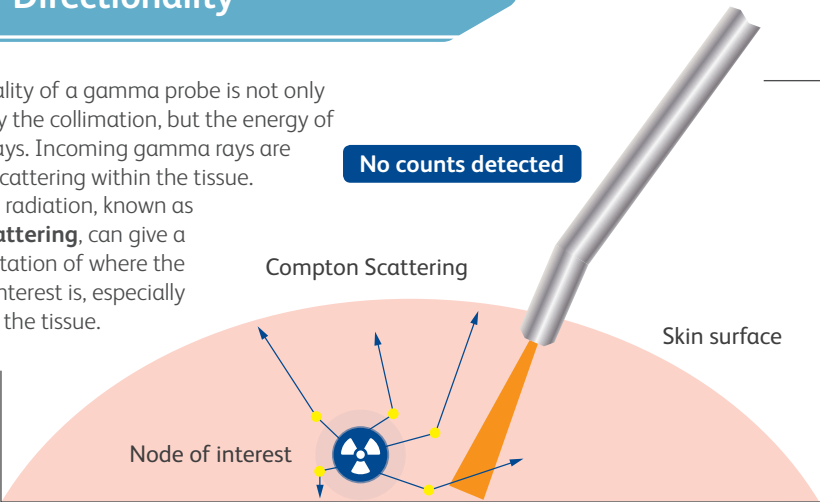


A perfect combination of sensitivity and directionality for sentinel node biopsies

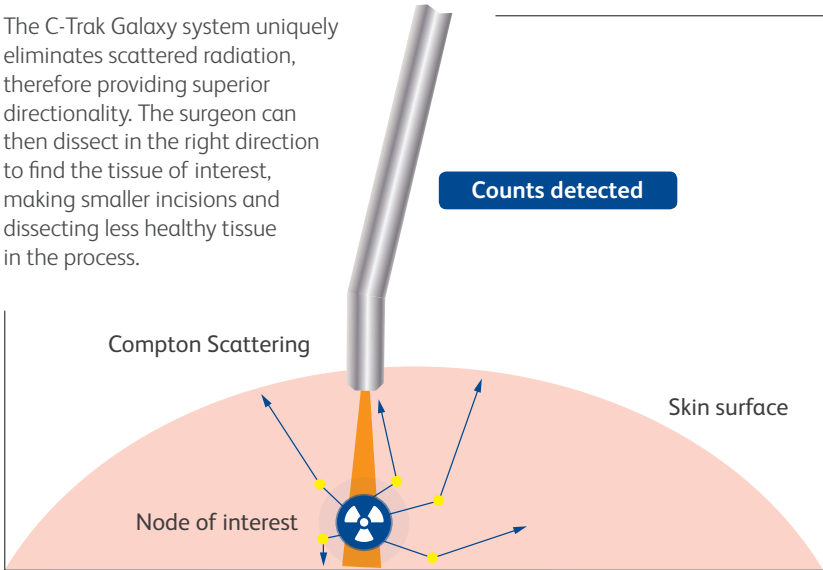
The C-Trak Galaxy System provides accurate and precise detection of gamma radiation for use during sentinel node biopsies in breast, melanoma and other types of cancer.

Superior Directionality

The directionality of a gamma probe is not only determined by the collimation, but the energy of the gamma rays. Incoming gamma rays are deflected by scattering within the tissue. This scattered radiation, known as **Compton Scattering**, can give a false representation of where the specimen of interest is, especially if deep within the tissue.



The C-Trak Galaxy system uniquely eliminates scattered radiation, therefore providing superior directionality. The surgeon can then dissect in the right direction to find the tissue of interest, making smaller incisions and dissecting less healthy tissue in the process.



Energy Threshold and Window Technology
For a variety of isotopes including Tc-99m and I-125 in radioactive seed localisation.

Large Touchscreen Display
Provides maximum visibility.

Large Count Range
Up to 100,000 cps for pinpointing high activity sources such as I-125 seeds.

Fast Calibration and Enhanced Diagnostics
Quickly ensures the system is functioning correctly.

Power Outlet Operated.

Multiple Probes
These can be stored within the system for use in a range of procedures.

Stored Timed Counts
Stored locally for retrieval of counts at a later date – eliminates the need for manual transcription.

Built-in User Manual

Advantage™ I-125 Diagnostic Seeds

The C-Trak Galaxy Gamma Probe System can be used with Advantage™ I-125 diagnostic seeds to help treat patients in a more convenient and accurate way.

The seeds are supplied in pre-loaded needles which saves time, skill, and effort for radiologists as well as minimising the risk of dropping or losing a seed compared to the manual loading of needles.

Advantage™ I-125 diagnostic seeds offer the following benefits:

- Low activity, pre-loaded in a choice of 5, 7, or 12 cm needles.
- Available in two different activities – 2.4 MBq and 9 MBq
- All loaded needles are supplied sterile with a 180 day shelf life.
- Minimise migration with the option of having the seed loaded alone with a trailing spacer or with the seed and spacer stranded together.

Every order is supplied with:

- A decay chart stating the activity on each day.
- A lead pouch for the safe and easy transport of individual needles.

We can also provide transportation and disposal of your seeds in an efficient and convenient way.



Probes and Collimators

OmniProbe

The OmniProbe has removable collimators making it flexible for a variety of procedures.

The collimator has a 5 mm opening which is optimum for the most common procedures such as in breast sentinel node biopsies.

- OmniProbe is available in either straight or angled orientation.
- OmniProbe PET used for detecting F-18 in FDG.
- OmniProbe EL for Laparoscopic use (available in straight, 20° or 90°).

In addition to the OmniProbe the C-Trak Galaxy System can be fitted with alternative probes for specialist applications.

Lechner Collimator

The additional Lechner collimator has an even smaller field of view 3 mm making the probe even more directional but at a compromise of some sensitivity.

The Lechner collimator is especially useful for complex procedures where the nodes are close together and/or close to the injection site such as in the head and neck sentinel node biopsies.



Specification for Standard OmniProbe	
Energy Range	27 - 364 keV
Length / Width	170 x 15 mm
Weight	140 g
Sensitivity	Typically 1150 counts/sec/μCi @122 keV (Co-57)
Side Shielding	> 99.9%@140 keV
Probe Tip Diameter	15 mm with collimator 11 mm without collimator
CsI (Caesium Iodide) detection technology. Superior patented collimator technology.	

Optional Accessories

- Printer for efficient record keeping.
- Workstation to store all system components.





Service and Support

Southern Scientific has a team of fully qualified service engineers, who support customers spanning the length and breadth of the UK. We can provide factory or on-site service as required, based on single visits, planned maintenance or full support under contract. We maintain a high level of spare parts, ensuring lifetime support capability.

Our systems group can offer its service for the larger installed equipment, from initial planning to installation, completion and training. We can provide expert knowledge and experience, gained through involvement in a number of large-scale projects throughout the years.



ISO Certified

Southern Scientific Ltd is certified to ISO9001:2008, ISO 13485:2003 and EN ISO 13485:2012 representing the high level of quality assurance and management that we provide at every stage of the supply process, whether a product is distributed on behalf of our trusted manufacturers or constructed in our UK workshop. This accreditation means that our customers can place an order knowing that the delivered product will be suitable for its intended use, fully compliant with EU legislation and in full working order.

All our products are CE marked.



Europe & Worldwide

Southern Scientific Limited

Scientific House, The Henfield Business Park
Shoreham Road, Henfield, BN5 9SL, UK

E-mail: info@southernscientific.co.uk

Tel: +44 (0)1273 497600

Fax: +44 (0)1273 497626

Web: www.southernscientific.co.uk

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USA & Canada

C/o LabLogic Systems, Inc.

East Pointe Park, 1040 East Brandon Blvd.
Brandon, FL 33511-5509, USA

E-mail: solutions@lablogic.com

Tel: +1-813-626-6848

Fax: +1-813-620-3708

Web: www.lablogic.com