

C-Trak Galaxy

Gamma Probe System

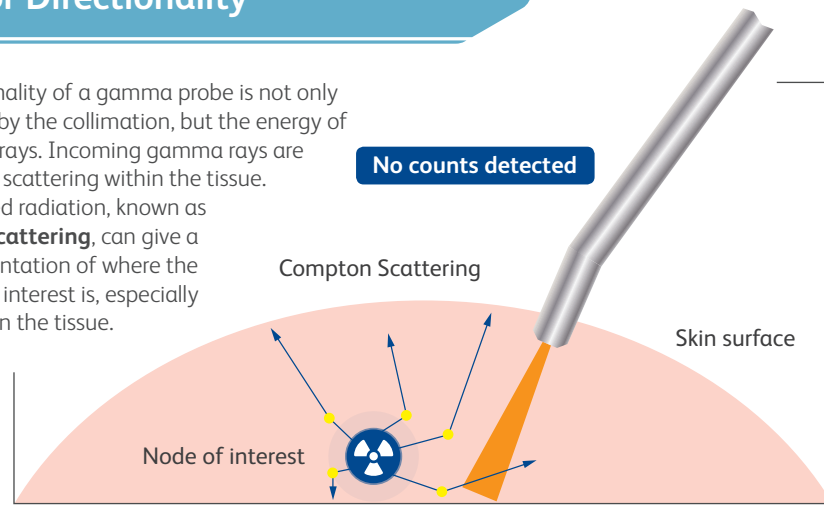


A perfect combination of sensitivity and directionality for sentinel node biopsies

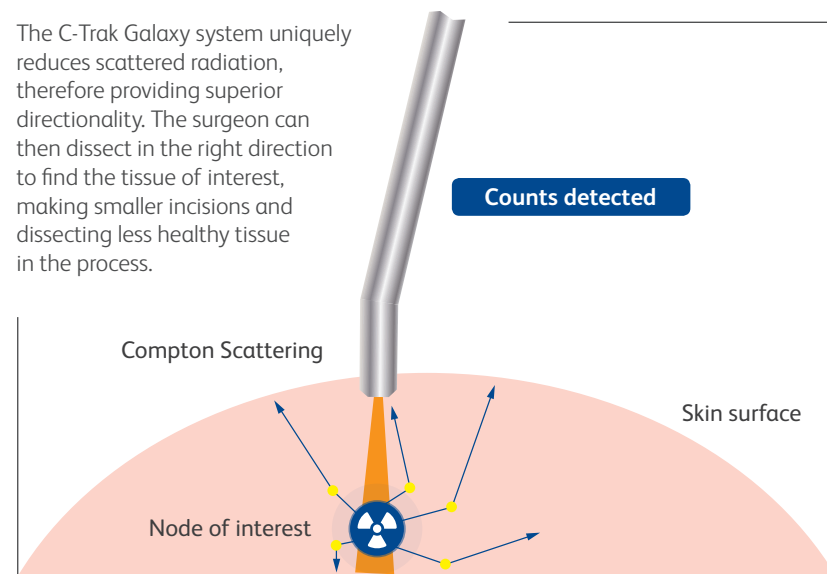
The C-Trak Galaxy System provides accurate and precise detection of gamma radiation for use during sentinel node biopsies in breast, melanoma and other types of cancer.

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 reduces 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.

Power Outlet Operated.

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.

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 Help File

Power Outlet Operated

Care Wise Medical Products
C-Trak® Galaxy System

Probe Name: Demo Probe
Probe Type: OmniProbe®
Isotope: Cobalt-57
Count Time: 10
Squelch: Disabled
Range: 0-1000

Counts Per Second

555
Counts Per Second

Decrease Range

Increase Range

Take Timed Count

View Timed Counts

Change Count Time

Enable Squelch

Main Menu

Probes and Collimators

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

The standard collimator has a 0.2 inch (5 mm) opening which is optimum for the most common procedures such as in breast sentinel node biopsies.

The additional Lechner collimator has an even smaller field of view 0.1 inch (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. In addition to the OmniProbe the C-Trak Galaxy System can be fitted with alternative probes for specialist applications.

- 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°).



Specification for Standard OmniProbe

Energy Range	27 - 364 keV
Length / Width	6.7 x 0.6 inches (170 x 15 mm)
Weight	0.14 ounces (140 g)
Sensitivity	Typically 1150 counts/sec/ μ Ci @122 keV (Co-57)
Side Shielding	> 99.9% @140 keV
Probe Tip Diameter	0.5 inch (15 mm) with collimator 0.4 inch (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.



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