

Gamma-Sup II

THE ESSENTIAL TOOL FOR THE SENTINEL LYMPH NODE BIOPSY

- The most sensitive gamma probe on the market : ultra sensitive crystal technology CsI(Tl) + photomultiplier
- Optimum usability : light and easy to handle probe with an integrated collimator
- Sentinel Lymph Node detection
- Easy handling : 1 button = 1 function
- Universal platform : multi-isotopes and multi-applications
- The probes can be tailored **on demand** (dimension and performance)
- **Wireless** bluetooth technology with the same performances than wired probes



CE 0459

ACCURACY, EFFICIENCY AND USABILITY FOR MINIMAL SURGERY



CLERAD
ONCOLOGY IN THE OPERATING ROOM

Clermont-Ferrand - Tel : 04 73 74 62 40 - email: clerad@clerad.fr



Gamma-SUP II

The Gamma-Sup II device is the essential tool for the radiolabelled tissues detection :

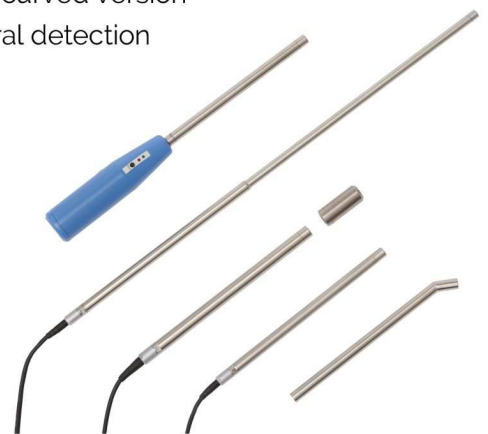
CLERAD guarantees a great efficiency to the deepest node detection thanks to the ultra sensitive crystal technology of the Gamma-Sup II. It decreases the operating room time and a minimally invasive surgery can be done.

Technical features

- Detector : Thallium doped sodium iodide ultra sensitive crystal (CsI(Tl)) + Photomultiplier
- Integrated collimator
- More than 99% in shielding for the 99mTc
- Energy field : between **10 and 600 keV**
- **1cm sensitivity** : >13 000 counts/MBq, 1cm resolution : 1cm
- **3cm sensitivity** : >1 900 counts/MBq, 3cm resolution : 3cm
- **Wired or wireless technology**
- Wired probe dimensions : diameter 14x200mm, 12x200mm, 10x530mm
- Wireless probe dimensions : diameter 14x260mm, 12x290mm, 10x600mm
- Weight : 80g (without cable), 200g (with cable). Wireless probe : from 130g to 150g
- Multi-isotope detection : **99mTc, In 111, I125, I131** and others **on demand**
- Signal modulated with the detected activity
- Optimum digital display with 6 numbers in counts/second
- Lifetime guarantee of the solid connectors
- Control unit connection : **Ethernet RJ45, USB, Bluetooth**, remote calibration and diagnosis

Medical applications and usability available

- **Sentinel Lymph Node Biopsy** :
 - Senology, Gynecology, Urology, Dermatology, Maxillofacial and Endocrinology**
 - Research of radiolabelled tissues for the detection of **Ga 68, 18FDOPA** metastasis
 - **ROLL** and **SEED** application for research of sub-clinical lesions and breast cancer
 - **12mm probe** : designed for the SLNB, melamona and parathyroid. Straight or curved version
 - **10mm probe** : used in laparoscopy in gynecology and urology. Axial and lateral detection
 - **14mm probe** : radiolabelled tissues research with high-energy isotopes and specific to the tumor tissue. Universal, used as the 12mm + I131 + FDG with an additional collimator
 - **15mm probe** : photodiode crystal technology for a shorter length. Used as the 14mm except for FDG



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