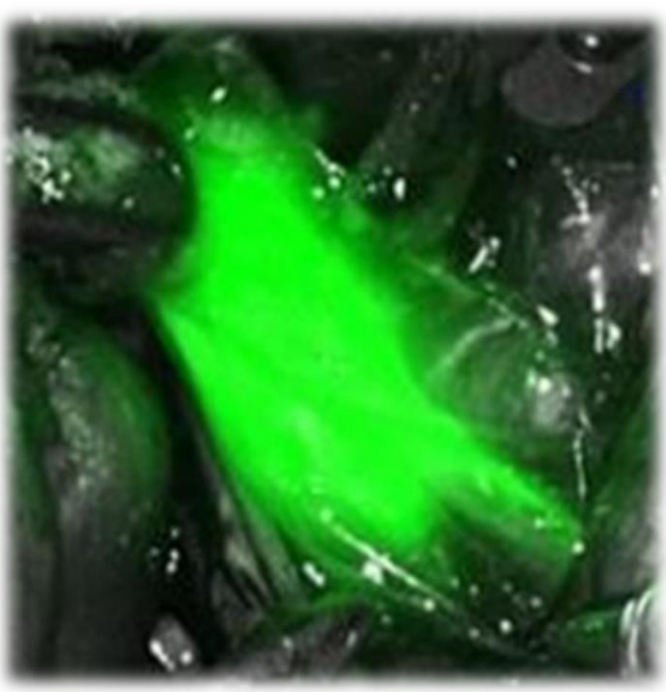
EUROPROBE

World-wide exclusivity

Gamma and

Fluorescence

bi-modal detection



EUROMEDICAL INSTRUMENTS

SAXSONS

EUROPROBE

With a single readout module and numerous gamma probe options, the Europrobe 3.2 is a unique system that fulfills all needs of per and post-operative detection as well as per-cutaneous localisation within 7 major clinical fields.

This solution allows sentinel node dual detection Gamma and Fluorescence.

Clinical applications

Breast cancer, Gynaecology, Head & Neck, Dermatology, Endocrinology, Nuclear medicine, Urology

Gamma module

Main features

- Automatic switching to most common radioisotopes (^{99m}Tc, ^{125}I, ^{131}I, ^{18}F)
- Customized user setting of energy window
- Easy system set-up
- No need for calibration
- No drift of the probe in time
- 9 customized configurations + 1 default

Technical specifications

- Maximum count: 30 000 cps
- Operating temperature range: +15˚C to +40˚C
- Height: 245 mm
- Width/Depth: 233 mm/270 mm
- Weight: 2 Kg
- Power consumption: Max 15 watts
- Operating power: 115/220 VAC F=50Hz


SOE 3216


SOE 3216-D


SOE 3211


SOE 3211-D


SOE 3206


SOE 3211-AF


SOE 3211-AL


SOE 3216-BT


SOE 3211-BT-AL


SOE 3214


SOE 3214-AF


Rate
1306
Isotope Selection
Fc99
Count Scale
2500
Counting Time (s)
10
Integration Time (s)
05
Select Config
Sound Mode
FM
Start
Background
Auto
Probe Selection
Scale
Volume
Europrobe

CsI probes

The multiple benefits of CSI:

- Works at ambient temperature
- Detects hight energies
- Works with a low bias voltage unlike the PMT solution (typically 20V)
- Available in wireless Bluetooth version
- Possibility of offering customized probes

Characteristics:

- Energy: 100 keV-1 MeV (Optimum efficiency: 140 keV-1 MeV)
- Isotopes: ^{99m}Tc (140 keV), ^{111}In (171 & 245 keV) , **^{131}I (364 keV), ^{18}F (avec un collimateur, 511 keV)**
- Medical grade stainless steel

Reference	Type of probes	Size Ø/Length (mm)	Form/Playback
SOE 3216	SLN – Sensitivity > 800Cps/MBq for a source of ^{57}Co at 30mm - Fwhm = 43mm	16/199	Curved/Axial
SOE 3216-D	SLN – Sensitivity > 800Cps/MBq for a source of ^{57}Co at 30mm - Fwhm = 43mm	16/201	Straight/Axial
SOE 3216-AC	SLN – With additional integrated collimator	19/205	Curved/Axial
SOE 3216-D-AC	SLN – With additional integrated collimator	19/207	Straight/Axial
SOE 3216-7	SLN – Sensitivity > 1700 Cps/MBq - Fwhm = 58mm	16/199	Curved/Axial
SOE 3216-7-D	SLN – Sensitivity > 1700 Cps/MBq - Fwhm = 58mm	16/201	Straight/Axial
SOE 3216-7-AC	SLN – With additional integrated collimator	19/205	Curved/Axial
SOE 3216-7-D-AC	SLN – With additional integrated collimator	19/207	Straight/Axial
SOE 3216-11	SLN – Sensitivity > 800Cps/MBq for a source of ^{57}Co at 30mm - Fwhm = 38mm	11/197	Curved/Axial
SOE 3216-11-D	SLN – Sensitivity > 800Cps/MBq for a source of ^{57}Co at 30mm in the air – Fwhm = 38mm	11/199	Straight/Axial
SOE 3216-11-AC	SLN – With additional integrated collimator	15/203	Curved/Axial
SOE 3216-11-D-AC	SLN – With additional integrated collimator	15/205	Straight/Axial
SOE 3216-BT	SLN – Fwhm = 34mm - Wireless	11/260	Curved/Axial
SOE 3216-AC-BT	SLN – With additional integrated collimator - Wireless	15/266	Curved/Axial

CdTe probes

The multiple benefits of CdTe:

- Works at ambient temperature
- Detects low energies
- Offers excellent energy resolution at 140 keV (^{99m}Tc)
- Small probes for detection in small incisions with high accuracy
- Available in wireless Bluetooth version
- Possibility of offering customized probes

Characteristics:

- Energy: 20-300 keV (Optimum efficiency: 20-170 keV)
- Isotopes: ^{99m}Tc (140 keV),^{111}In (171 & 245 keV)), **^{125}I (27 keV)**
- Medical grade stainless steel

Reference	Type of probes	SizeØ/Length (mm)	Form/Playback
SOE 3206	ROLL: Sensitivity > 50Cps/MBq - Not palpable not visible tumour location	6/187	Straight/Axial
SOE 3211	SLN – Sensitivity > 300Cps/MBq for a source of ^{57}Co at 30mm / Fwhm = 37mm	11/192	Curved/Axial
SOE 3211-D	SLN – Sensitivity > 300Cps/MBq for a source of ^{57}Co at 30mm	11/194	Straight/Axial
SOE 3211-AC	SLN – Sensitivity > 300Cps/MBq for a source of ^{57}Co at 30mm - With additional integrated collimator	15/198	Curved/Axial
SOE 3211-D-AC	SLN – Sensitivity > 300Cps/MBq for a source of ^{57}Co at 30mm - With additional integrated collimator	15/199	Straight/Lateral
SOE 3211-14	SLN – Sensitivity > 1500 Cps/MBq – Fwhm = 44mm	14/194	Curved/Axial
SOE 3211-14-D	SLN – Sensitivity > 1500 Cps/MBq – Fwhm = 44mm	14/199	Straight/Axial
SOE 3211-14-AC	SLN – Sensitivity > 300Cps/MBq for a source of ^{57}Co at 30mm - With additional integrated collimator	18/200	Curved/Axial
SOE 3211-14-D-AC	SLN – Sensitivity > 300Cps/MBq for a source of ^{57}Co at 30mm - With additional integrated collimator	18/201	Straight/Axial
SOE 3211-AF	SLN – Sensitivity > 300Cps/MBq for a source of ^{57}Co at 30mm - Laparoscopic frontal detection	10/429	Straight/Axial
SOE 3211-AL	SLN – Sensitivity > 300Cps/MBq for a source of ^{57}Co at 30mm - Laparoscopic lateral detection	10/429	Straight/Lateral
SOE 3211-AL-45	SLN – Sensitivity > 300Cps/MBq for a source of ^{57}Co at 30mm - Laparoscopic lateral detection at 45°	10/432	Straight/Lateral
SOE 3211-AF-BT	SLN – Sensitivity > 300Cps/MBq for a source of ^{57}Co at 30mm - Laparoscopic frontal detection - Wireless	10/492	Straight/Axial
SOE 3211-AL-BT	SLN – Sensitivity > 300Cps/MBq for a source of ^{57}Co at 30mm - Laparoscopic lateral detection - Wireless	10/493	Straight/Lateral
SOE 3211-AL-45-BT	SLN – Sensitivity > 300Cps/MBq for a source of ^{57}Co at 30mm - Laparoscopic lateral detection at 45° - Wireless	10/495	Curved/Lateral

Fluorescence module

An additional module to the Europrobe allows dual optical detection by fluorescence and radio-nucleotide for ganglion localization. The combined use of these two detection methods reaches almost a 100% detection rate. This dual fluorescence and radioisotope detection method within one device is a worldwild exclusive.

Main features

- Optional add-on module
- Allows dual Gamma and Fluorescence detection
- Selection of the type of detection through a foot-switch
- Simple and identical use to the Gamma procedure
- Ready to use at normal light conditions
- No specific installation required
- Improved discrimination and sensitivity

Technical specifications

- Suitable for of Indocyanine Green (ICG) detection
- Module height: 55mm
- Width / Depth: 233 mm / 270 mm
- Weight: 1 Kg

Sonde SOE 3214

Sonde SOE 3214-AF

Fluorescence module

Dual probes

Dual detection probes: gamma and Fluorescence.

Opto-nuclear probes are designed to detect both isotopic markers and fluorescent markers (ICG).

Characteristics :

- Energy: 20 – 300 keV (Optimum efficiency: 20 – 170 keV)
- Isotopes: ^{99m}Tc, ^{125}I, ^{111}In – **Sensitivity of fluorescence detection: <1nmol of ICG**
- Medical grade stainless steel

Reference	Type of probes	Cut Ø/Length (mm)	Form/Playback
SOE 3214	Opto-nuclear detection (double reading)	12/194	Straight/Axial
SOE 3214-AF	Opto-nuclear frontal laparoscopic detection (double reading)	12/426	Straight/Axial

Information on Disinfection

Our probes must be disinfected before use and placed in a biocompatible sterile sheath.

Sales contact

EUROMEDICAL INSTRUMENTS
13 rue Raymond Losserand
75014 Paris - France
+ 33 9 83 62 63 17
+ 33 9 83 82 63 17
www.em-instruments.com
sales@em-instruments.com

Manufacturer

EURORAD SA
2 rue Ettore Bugatti
67201 Eckbolsheim - France
+33 88 26 81 30
+33 3 88 28 45 48
www.eurorad.com
info@eurorad.com

Europe: CE 0459 (G-Med : classe 2a)
USA FDA registered: 9032627
File number: 244973
Manufacturer: EURORAD SA - France

EUROMEDICAL INSTRUMENTS