BioSerenity

EEG in a network, anywhere, anytime

IceCap
A disposable EEG headset, user-friendly and comfortable for the patient

Neuronaute
The new generation EEG device

Outils Digitaux
BioSerenity platforms manage, store and secure patients' personal data, allowing collaborative networks to be built within and between healthcare organisations.

BioSerenity, a French pioneer in connected electroencephalography (EEG)

BioSerenity offers a complete range of innovative products, from the recording of video EEG signals, digital «online» transfers, remote and networked interpretation, and secure data storage.

IceCap

A disposable EEG headset, user-friendly and comfortable for the patient

The new sensors

- Easy to install
- Pre-positioned electrodes complying with the international 10/20 system
- Universal, flexible, and soft cap, adaptable to all head morphologies
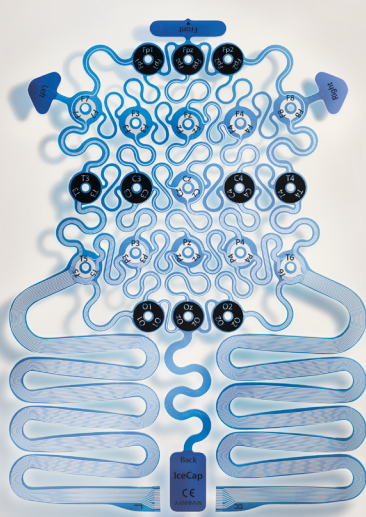
Designed for patients' comfort

- Ultra-lightweight <6,5 grams
- For long term recordings
- Designed to comply with skin contraints, regardless of age

Ambulatory and in-hospital use

- Routine and long-term EEG, up to 72 hours
- Setup in the hospital or at home with a healthcare professional
- Mobile and connected, anywhere

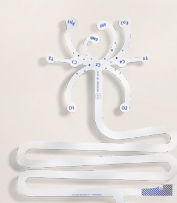## A complete range for all your EEGs and all your patients

Adult

Neonatalogy

Standard : 53 - 60 cm   **Small :** 43 - 53 cm

21-23 electrodes : Ref. on Fpz, Ground (GND)on Oz
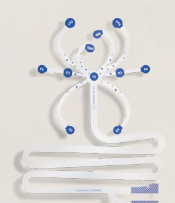
XS : 23 - 31 cm   **S :** 30 - 38 cm   **M :** 37 - 51 cm

11 electrodes : Ref. on Fpz, Ground (GND)   **13 electrodes**
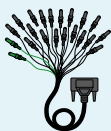

Available accessory

Touchproof Adapter: The adapter that makes the IceCap range compatible with all EEG devices

	Adulte product-line	Neonate product-line
Size & Weight	21 x 29 cm / <6,5 g	21 x 29 cm / <6,5 g
Materials	Flexible printed circuit board (flex PCB) and Ag / AgCl electrodes Additional self-adhesive markers: forehead, temples and nape of the neck	Flexible printed circuit board (flex PCB) and Ag / AgCl electrodes Additional layer of foam adapted to babies' sensitivity
Duration of use	Up to 72 hours, tested in real-life situations	
Positions	Electrodes pre-positioned according to the international 10/20 system	

Neuronaute +

The new generation EEG device

A user-friendly device

- Intuitive and ergonomic
- Quick set up
- Miniaturised, connected and modular device

Adapted to your clinical practice

- Standard or long-term EEG
- Ambulatory and in-hospital use
- Video-EEG and audio recording

Ensuring access to your traces in real-time

- Online or offline recording
- Accessible anywhere and at any time via the mobile app and cloud platform
- Trace analysis via the cloud platform

Touchproof Extension :
29 monopolar inputs

DB25 Extension :
21 monopolar on headset

IceCap Extension:
21 monopolar on headset

ECG

2 channels :
Bipolar Touchproof

3 channels :
Monopolar Touchproof

Available accessories

Holding band
Textile support for Neuronaute +

BioSerenity-Link
Camera device (IR and HD) / router (wifi)

Size and Weight	1,55 cm x 7,3 cm x 2,3 cm - Av. 200g with battery
Configuration mode	Online and offline
Battery life	24 hours - autonomous for 15 minutes without battery
Power Supply	3.7 V / 1.1 Ah
Min-max input range	+/- 5,256 mV
Number of EEG Channels	Up to 64 – over 21 slots
Minimal Sensitivity	0.4 µV
Status indicator	RGB LED and patient event button
Sampling rate	250 Hz or 500 Hz depending on configuration
Maximum sampling rate	32 kHz
Resolution	24 bits
Storage	32 Gb
EEG format	EDF+

Digital Platforms

BioSerenity platforms manage, store and secure patients' personal data, allowing collaborative networks to be built within and between healthcare organisations.

Management tool

- Examination planning

- Actor selection within your network
  (e.g., prescriber, performer, interpreter)

- Access to all your recordings and patient histories

- Easier trace annotation

- Simplified and automated report generation based on your analysis, editable as needed

EEG acquisition on tablet

- Online and offline mode

- Personalized montages, live annotations

- EEG protocols: Hyperventilation, Intermittent Light Stimulation...

Records available remotely, online

- Accessible anywhere in your network, from the secretariat to the medical group of your choice

- Continuous remote-monitoring of EEG studies

- Secure digital storage

- Synchronization of EEG traces and video/audio signals

- Follow-up of your patients: continuous monitoring and trend analysis based on your observations, accessible anytime

Do you wish to **set up an EEG network** in your establishment, in your region?
Do you wish to **coordinate and interpret it**, or do you want remote interpretations with the partners of your choice?

BioSerenity can help you build it.

1. PRESCRIPTION
My pediatric or adult patient **needs an EEG**

Emergency   To schedule

Digital platforms

Planning an EEG examination
Technician and Interpreter assignment within my Neuro network

5 min

2. REALISATION

Neuronaute +   **IceCap**

Set up in 15 min

My EEG set up with my team or with the BioSerenity* service

Digital platforms

My recording live on my app and available remotely on my platform

Recording 20 min to 72h

3. INTERPRETATION

Digital platforms

My EEG available anytime, anywhere on my platform
I write and share my report with my prescriber and the technicien,
or I delegate it to BioSerenity's on-call neurologists, available 24/7.*

Anytime, anywhere

for more information, contact: info@neurolite.ch

*The BioSerenity interpretation service is specific to certain regions

NEUROLITE
Advanced Medical Solutions