



FACE & ICE grid

Single-use EEG array
for EEG recording

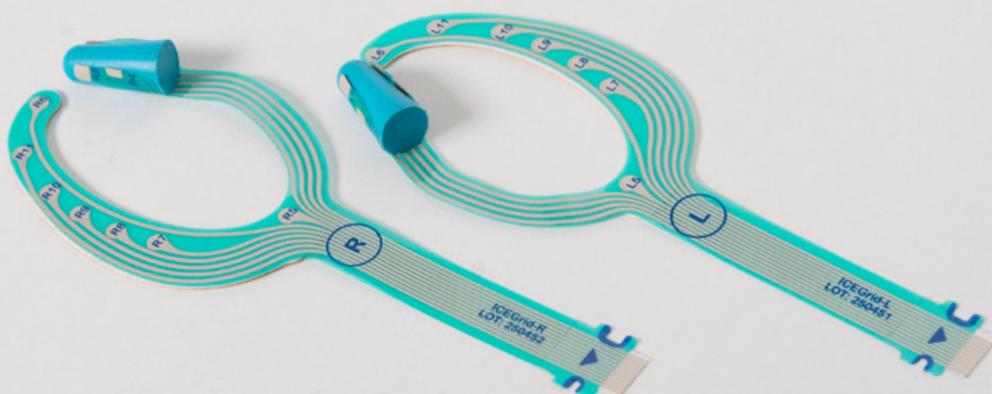


FACEGrid & ICEGrid

The ICEGrid & FACEGrid are EEG arrays of silver chloride EEG electrodes on a flexible base with an adhesive fastener for attachment to the skin. Contact of the current-collecting surfaces with the skin is ensured by an electrically conductive substance – electrode gel or paste. For adding gel or paste, special wells are provided, which, on the one hand, prevent the conductive substance from drying out, and on the other, prevent it from spreading and the formation of contact bridges between the leads.

In-canal electrodes are placed on soft ear tips that adapt to the shape of the ear and provide a tight fit to the surface of the ear canal.

The product is connected to the EEG recording device using a special reusable lead cable (adapter). The adapter can have different connector types, depending on your amplifier.





Intended Use of FACEGrid

FACEGrid is suitable for long-term use and is recommended for the diagnosis and monitoring of epilepsy, as well as for postoperative monitoring of the recovery of the orbicularis oculi muscle after surgery.

In addition, FACEGrid can be used at home for migraine screening, sleep quality monitoring, and depression treatment.

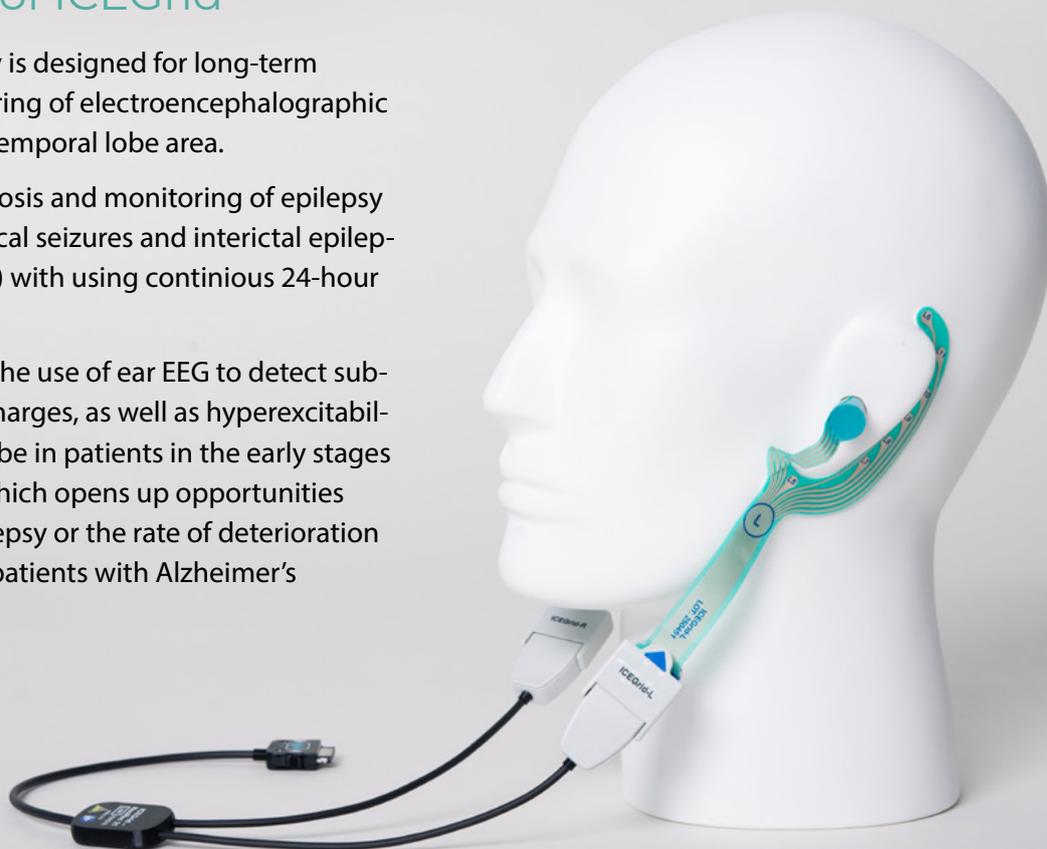
In the emergency medical care system, FACEGrid can serve as an additional tool for diagnosing non-convulsive status epilepticus in patients with impaired consciousness.

Intended Use of ICEGrid

The ICEGrid ear EEG array is designed for long-term and comfortable monitoring of electroencephalographic activity, primarily in the temporal lobe area.

Recommended for diagnosis and monitoring of epilepsy including detection of focal seizures and interictal epileptiform discharges (spikes) with using continuous 24-hour EEG monitoring.

A promising direction is the use of ear EEG to detect sub-clinical epileptiform discharges, as well as hyperexcitability of the left temporal lobe in patients in the early stages of Alzheimer's disease, which opens up opportunities to assess the risks of epilepsy or the rate of deterioration of the cognitive state of patients with Alzheimer's disease.





Technical Specifications

Specification	EEG array FACEGrid	EEG array ICEGrid
Sterility	non sterile	
Channels	12 (GND include)	21 (10 for each ear with a common neutral electrode GND)
Set up time	< 1 min	
Time of continuous contact*	> 24 hours	
The impedance of the electrode	$\leq 100 \Omega$	
Offset voltage	100mV (max)	
Offset instability	< 250 μ V	
Internal noise	< 15 μ V	
Dimensions(LxWxH)	177 × 62 mm (on ear)	
Net weight	2 g	
Gross weight	10 g	
Expiration date	3 years	

* During this time, the electrode characteristics remain within the stated limits