

# waveguard™ net

for more rapid, high-quality EEG's



inspiring technology



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## Setting the standard

The **waveguard™** net sets a new standard for research applications requiring high density EEG data acquisition over longer periods with quick preparation time, high flexibility, and subject comfort.

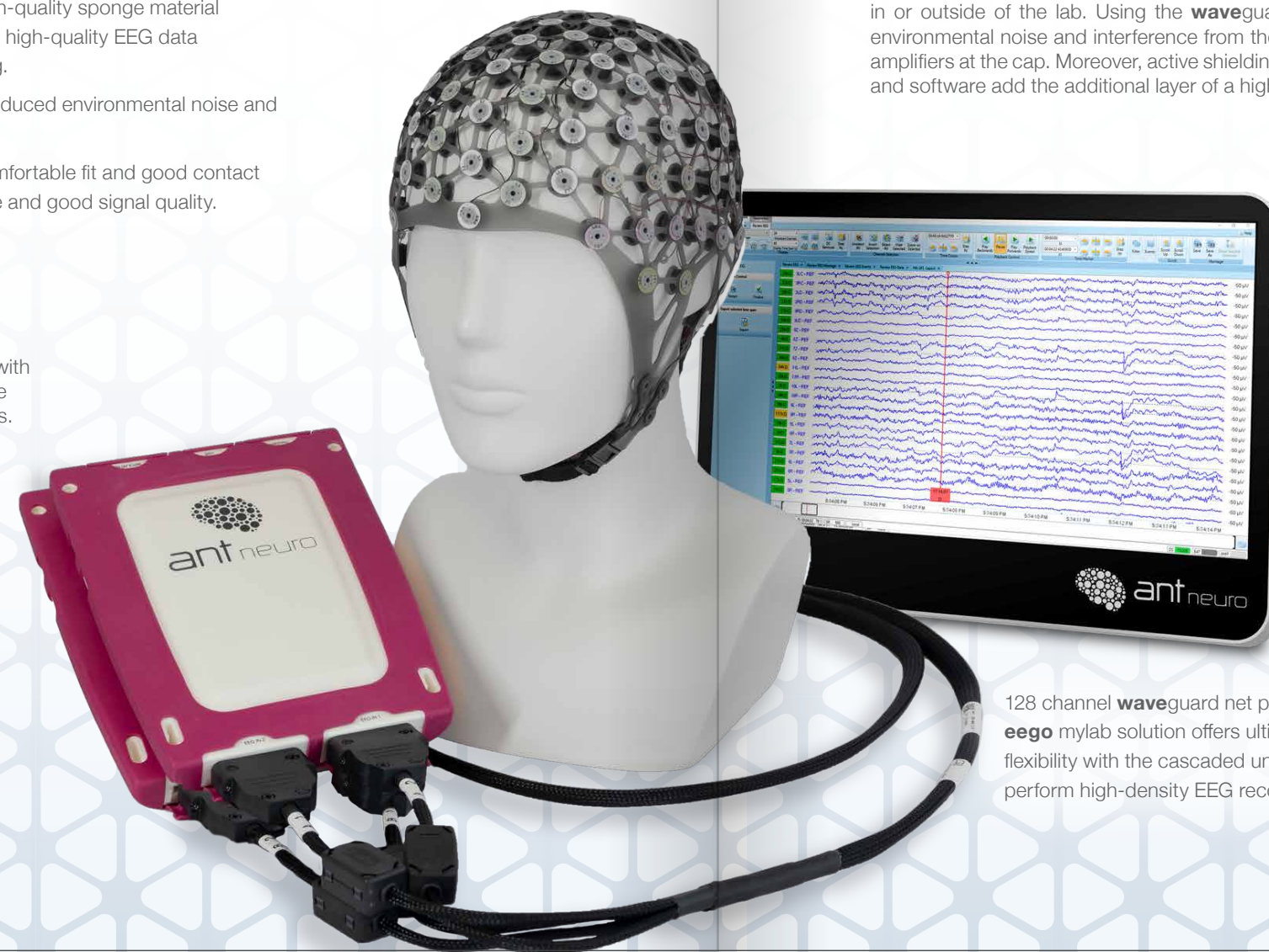
The **waveguard™** net is a saline-soaked EEG net designed for a quick gel-free application. It incorporates the most recent advances in EEG sensor technology to provide stable, research-grade high-density EEG signals while maintaining subject comfort in various applications. This new addition to the waveguard family of industry-leading EEG caps rounds out the product line to provide solutions for every need.

## Unmatched signal quality

- It was built on the technology used in the **waveguard** family of EEG cap solutions to provide best-in-class signal quality.
- Designed with unique Ag EEG electrodes fitted with high-quality sponge material and wider skin-electrode contact area to provide stable high-quality EEG data for studies up to 3 hours, without the need for rewetting.
- Superior active shielding assures cleaner signals with reduced environmental noise and common cable displacement artefact.
- Flexible silicone material and multiple sizes assure a comfortable fit and good contact between the skin and sensor to achieve low impedance and good signal quality.

## Durability

- Highly durable and flexible Laser-cut silicone structure with superior lead wire management is offered at competitive pricing in a variety of sizes and number of EEG channels.
- Securing ring for the sponge retention as well as easy replacement.
- Clean and secure lead wire management to avoid any damage during the handling and adjustments.
- Backed by 1 year warranty.



## Now the best of both worlds

### Rapid application and High quality EEG

- Saline-based: application is as simple as soak, apply and record.
- **waveguard** net is an excellent match for recordings requiring fast preparation time and to perform longer recordings (up to 3 hours) without rehydrating.
- Flexible design ensures faster application, ease of use, and comfortable fit.
- No subject head preparation or post-testing cleaning is required. No recurring cost of consumables.
- The **waveguard** net is fully compatible with your **eego** amplifiers and software to improve the quality and fidelity of EEG data.
- The small footprint, lightweight **eego** amplifiers provide the added benefit of the flexibility to split amplifier to accommodate multiple data collection devices on either **eego™** mylab or the mobile **eego™** sports.
- Available in 64 and 128 channels in an equidistant layout.
- Several net sizes, providing whole-head coverage in three different adult and child sizes.

## Technology for the high signal quality

The **waveguard** net is designed to provide high-quality EEG signals in various environmental and experimental settings in or outside of the lab. Using the **waveguard** superior active shielding technology assures cleaner signals with reduced environmental noise and interference from the movement of electrode cables without the need for expensive and fragile pre-amplifiers at the cap. Moreover, active shielding protects data in situations when the subject is physically active. **eego** amplifiers and software add the additional layer of a high input impedance to improve the quality of EEG data further.

## Patient comfort and recording time

The **waveguard** net requires no scalp preparation or gel application, making it a perfect choice for your research applications with time-limited recordings. The net can be self-applied and has a chin strap to fasten it for even greater stability. The flexible net design provides consistent contact with the scalp with greater subject fit and comfort. Incorporation of high-quality sponge material increases moisture retention to ensure consistent contact with the scalp to achieve longer recordings (up to 3 hours).

128 channel **waveguard** net paired with **eego** mylab solution offers ultimate flexibility with the cascaded units to perform high-density EEG recordings



## Available cap size

Order Code	Sizes		Head circumference (cm)		Size label color scheme		Number of channels
			Min.	Max.			
NA-261.11	<b>L</b>	Large	56	61	●	●	64
NA-261.10	<b>M</b>	Medium	51	56	●	●	64
NA-261.09	<b>S</b>	Small	47	51	●	●	64
NA-261.08	<b>C</b>	Child	43	47	●	●	64
NA-261.07	<b>I</b>	Infant	39	43	●	●	64
NA-261.06	<b>B</b>	Baby	36	39	●	●	64
NA-271.11	<b>L</b>	Large	56	61	●	●	128
NA-271.10	<b>M</b>	Medium	51	56	●	●	128
NA-271.09	<b>S</b>	Small	47	51	●	●	128

## Designed for **eego**™

The **waveguard** net is fully compatible with ANT Neuro's **eego** amplifiers (E-2xx) and software. All the **eego** solutions are configured for each **waveguard** net size and pinning specifications and provide a completely plug-and-play solution for your application.



NA-261.XX: 64 channel **waveguard** net paired with **eego** offers ultra-mobile EEG recordings solution.

NA-271.XX: 128 channel **waveguard** net paired with **eego** solution offers a standardized high-density EEG recording solution.

**eego**™ amplifiers are CE marked medical devices, according to MDD 93/42/EEC, class IIa, and have FDA clearance under 510(k). **waveguard**™ fabric caps are CE marked medical devices, according to MDR (EU) 2017/745, CE class I, and have FDA 510(k) clearance. All the features for the **waveguard**™ net and **eego**™ hub are for research only. Manufactured by eemagine Medical Imaging Solutions GmbH, Berlin, Germany, ISO 13485 certified. ANT Neuro and eemagine are part of the neuromotion group.

For more information about **waveguard**™ net and the regulatory status in your country, contact us at [sales@ant-neuro.com](mailto:sales@ant-neuro.com).

Your local distributor:

**ANT Neuro b.v.**, Hengelo, The Netherlands,  
tel: +31 (0) 850 498 175, fax: +31 (0) 850 493 919,  
internet: [www.ant-neuro.com](http://www.ant-neuro.com), e-mail: [info@ant-neuro.com](mailto:info@ant-neuro.com)

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