waveguard™net

for more rapid, high-quality EEGs

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Setting the standard

The **wave**guard™ 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 **wave**guard 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 15 months warranty.

Now the best of both worlds

Rapid application and High quality EEG

- Saline-based: application is as simple as soak, apply and record.
- **wave**guard net is an excellent match for recordings requiring fast preparation time and to perform longer recordings.
- 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 **wave**guard 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, 128 and 256 channels in an equidistant layout and in 24 channels in an extended 10/20 layout.
- Several net sizes, providing whole-head coverage in three different adult and child sizes.

Technology for the high signal quality

The **wave**guard net is designed to provide high-quality EEG signals in various environmental and experimental settings in or outside of the lab. Using the **wave**guard 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 **wave**guard 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.

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

Available cap size

24 Channels (10/20 extended layout)	64 Channels (equidistant layout)	128 Channels (equidistant layout)	256 Channels (equidistant layout)	Sizes		Head circumference (cm) Min.	Max.	Size label color scheme	
NA-245.11	NA-261.11	NA-271.11	NA-281.11	**L**	Large	56	61	🔵	⚫
NA-245.10	NA-261.10	NA-271.10	NA-281.10	**M**	Medium	51	56	🔴	⚫
NA-245.09	NA-261.09	NA-271.09	NA-281.09	**S**	Small	47	51	🟡	⚫
NA-245.08	NA-261.08	NA-271.08	--	**C**	Child	43	47	🔵	🔵
NA-245.07	NA-261.07	--	--	**I**	Infant	39	43	🔴	🔴
NA-245.06	NA-261.06	--	--	**B**	Baby	36	39	🟡	🟡

Designed for eego™

The **wave**guard net is fully compatible with ANT Neuro's **eego** amplifiers (EE-2xx and EE-5XX) and software. All the **eego** solutions are configured for each **wave**guard net size and pining specifications and provide a completely plug-and-play solution for all your ultra-mobile and high-density applications.

NA-245.XX: 24 channel **wave**guard net paired with **eego** sports or **eego** 24.

NA-261.XX: 64 channel **wave**guard net paired with **eego** sports or **eego** mylab.

NA-271.XX: 128 channel **wave**guard net paired with **eego** sports, **eego** mylab or **eego** hub.

NA-281.XX: 256 channel **wave**guard net paired with **eego** mylab or **eego** hub.

Your local distributor:

For more information about **wave**guard™ net and the regulatory status in your country, contact us at sales@ant-neuro.com.

Information in this document is subject to change.
www.ant-neuro.com

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