



AXELGAARD
MANUFACTURING CO., LTD.
Neurostimulation Electrodes
FEATURES & BENEFITS



GOOD	BETTER	BEST
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	ValuTrode X	UltraStim	UltraStim X	PALS
Cost	\$	\$\$	\$\$	\$\$\$
Made in the USA	✓	✓	✓	✓
Latex Free	✓	✓	✓	✓
Smart-Connector	✓	✓	✓	✓
Thickness	35mm	35mm	35mm	35mm
Multi-Stick Hydrogel	✓	✓	✓	✓
Size Options	2", 2x2", 2x4"	Multiple Sizes	2x2", 2x4"	Multiple Sizes
Features	Better Conduction and Adhesion than competitive products	Patented Silver Print Technology provides excellent conductivity at a cost-effective price		Most Conductive, Most Comfortable
Clear Film				✓
White Cloth	✓	✓	✓	
White Foam	✓			
Stainless Steel Knit Fabric				✓
Film with Printed Silver Ink Grid		✓	✓	
Conductive Black Film	✓			

* **Smart-Connector:** Self-Adjusting connector to adjust to pin variances; Low Profile for better Patient Comfort

* **Multi-Stick Hydrogel:** this patented, dual formulation hydrogel provides a more durable product and greater number of uses than competitive products

* **Clear Film:** provides a moisture barrier so electrodes can be used with moist heat packs

* **White Foam:** provides a moisture barrier so electrodes can be used with moist heat packs



ELECTRODE CARE

THE DO'S AND DON'TS FOR PRODUCT LONGEVITY

ORTHO CANADA

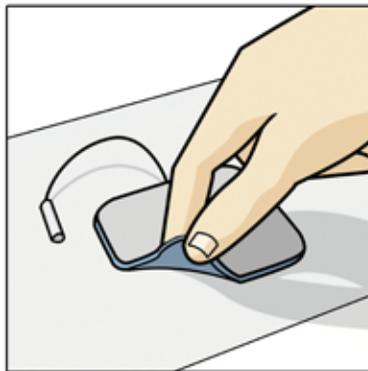
WITH PROPER MAINTENANCE YOUR ELECTRODES WILL PERFORM BETTER AND LAST LONGER.

Please note that when Electrodes show wear and tear they should be replaced with a new set to ensure that you will continue to receive quality performance. Remember, Electrodes are disposable.

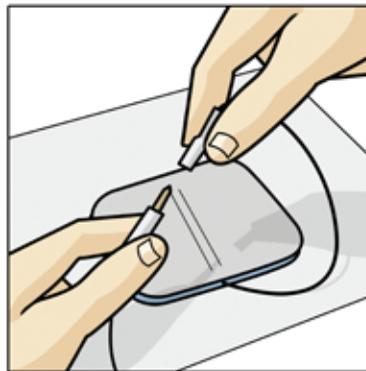
THE FOLLOWING GUIDELINES WILL HELP YOU GET MORE USE OUT OF YOUR ELECTRODES.



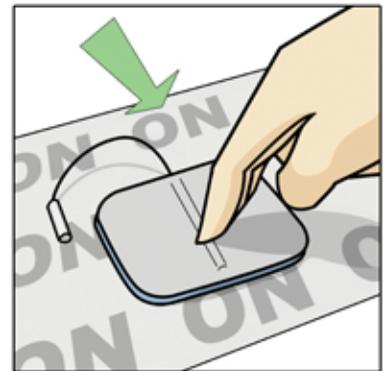
- Make sure skin is clean, dry, and free from lotion.



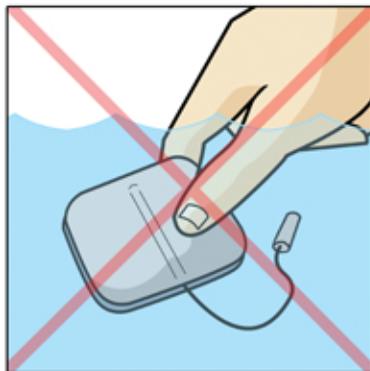
- Remove Electrodes by lifting the edge.



- While disconnecting or inserting pin, hold the pin connector



- Return Electrodes to the "ON" side of the Release Liner.



- Do not submerge Electrodes in water.



- Do not remove Electrodes by pulling the leadwire.



- Do not pull the leadwire to remove the pin.



- Do not place Electrodes on the "NO" side of the Release Liner.

Additional Tips:

- Electrodes are intended for single patient use.
- Consult stimulator manual for proper Electrode size.
- If an Electrode's gel becomes dry, re-hydrate it with droplets of water.
- When not in use, always reseal Electrodes in their original package and store at room temperature.
- The use of hot and cold packs will cause an Electrode's gel to break down over time.
- For sensitive skin, consider using our PALS BLUE Electrodes.

FREQUENTLY ASKED QUESTIONS

How many times can the electrodes be used?

We are often asked about the on/off performance of our electrodes. The answer is very simple: The durability of our electrodes depends entirely on the application, storage, humidity and care on the part of the user.

Application: Before each electrode application, skin must be cleaned with water and soap to remove any lotions, skin oils, make-up, and dead skin. Any debris on the skin will be transferred to the gel of the electrode thereby compromising the integrity of the gel's adhesiveness. Therefore, a clean surface is the most important factor in the number of applications for an electrode.

Storage: After every use the electrode must be returned to the "ON" side of the Mylar liner, and placed in the original, re-sealable package to prevent loss of moisture. The electrodes should be stored at a temperature that would be comfortable for a human being, or somewhere between 41.0° and 80.6° F. with humidity at 35-50%.

DO NOT: Store in freezer/refrigerator, leave in extreme heat, submerge in water, or leave outside of the package.

Care: After usage, if the electrode picks up small amounts of debris you may use a drop of water on your finger to gently rub the debris off the electrode. Most important to the care of the electrode is applying it to a clean surface with each use.

DO NOT: Use soap, alcohol, submerge in water, or scrub with abrasive material.

The number of applications depends entirely on the proper application, storage and care by the user. The durability of the electrodes depends on the adhesiveness of the gel and its adhesiveness depends on keeping the gel clean, hydrated, and free from foreign debris.

Do your products contain latex?

All products manufactured by Axelgaard Manufacturing are latex free.
We do not use latex of any kind in the electrodes we manufacture or in the packaging.

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FREQUENTLY ASKED QUESTIONS

Are your electrodes disposable?

Yes. When electrodes show wear and tear, or are no longer comfortable for the patient, simply replace them with a new set.

Can electrodes be used by more than one patient?

For proper hygiene, the FDA requires them to be labeled for single patient use. Our electrodes are intended for single patient use only. By sharing electrodes, you are subjected to cross contamination. All electrodes are disposable and should be discarded if compromised, and a fresh set used.

We design our products for reuse provided there is proper care of the skin and the electrodes. However, with reuse, the risk of contamination increases with each application. Each time an electrode is removed, it lifts off dirt and skin debris, which in turn becomes absorbed into the gel. To maintain optimal hygiene you would want to change electrodes when they become contaminated in this fashion. The pH of our gel is controlled at a level to prevent the spontaneous growth of molds. However, during use in a spore rich environment it is possible to overwhelm this mold growth control feature of the gel.

Is the gel hypoallergenic?

The definition of hypoallergenic is "less likely to cause an allergic reaction than other comparable goods." There is no scientific formula to measure or test this; therefore our gel is not labeled as hypoallergenic.

How do I remove an electrode from the skin?

Always lift electrodes from the edge, NOT the leadwire.

Can I use hot or cold packs?

Use of hot or cold packs for long periods of time can cause adhesive separation.

Where are your electrodes made?

Our products are made only in the USA.

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