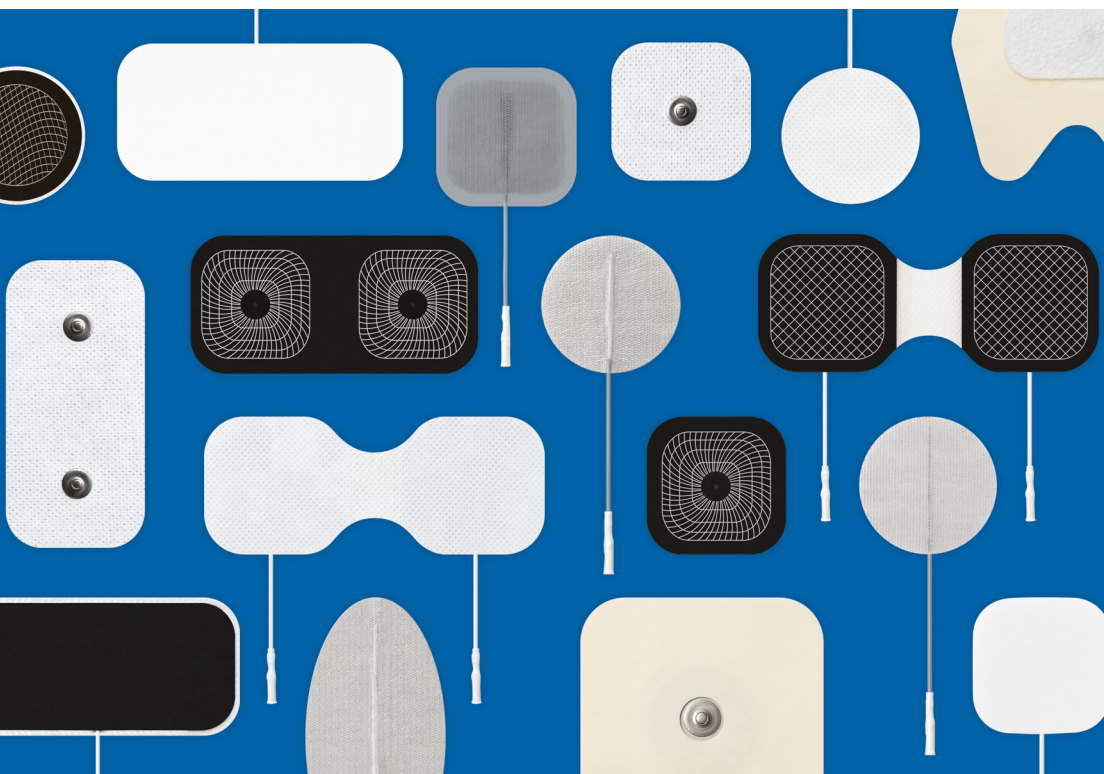




Electrode Guide



Decades of innovation and experience.

Axelgaard's patented electrode and hydrogel products are globally recognized for their quality and are backed by our decades of industry experience. Cutting-edge manufacturing processes and a vertically integrated supply chain ensure high standards and allow us to offer products ranging from medical and therapeutic use to multi-purpose adhesives and custom items.

Along with multiple international certifications, we are CE marked, certified to ISO 13485 with MDSAP, and hold a commitment to sustainable practices.

Browse through every page to learn about our product lines or check out the table of contents below to jump to the electrode series of interest.

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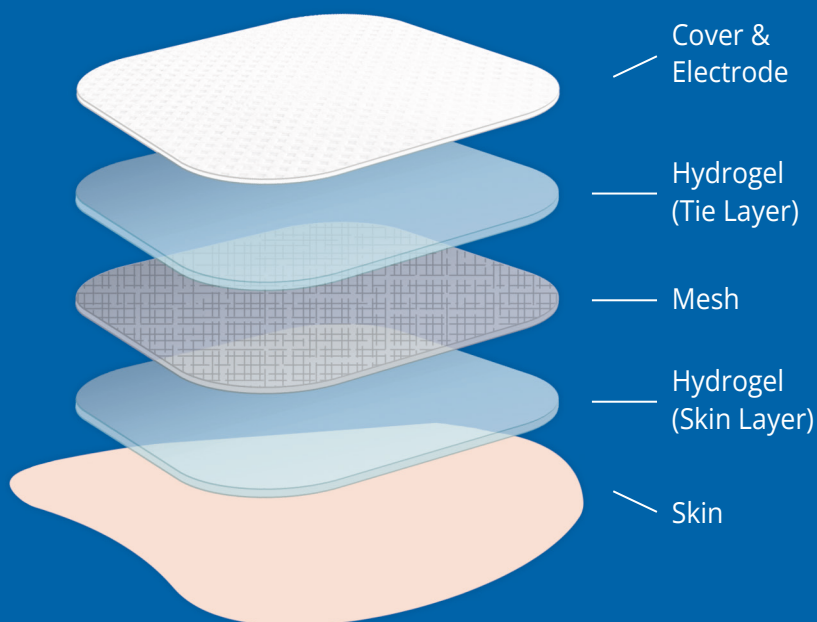
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MultiStick®

Patented multi-layer AmGel® hydrogels

Our MultiStick® hydrogels are formulated to optimize bonding to an electrode to prevent delamination, have controlled mesh placement to provide consistent structural support, and their maximized skin adhesion allows for multiple applications to a patient's skin.

Thanks to MultiStick®, our electrodes feature superior gel-adhesion, offer excellent performance, and excel in providing specialized care such as neurostimulation, pain management, or muscle rehabilitation.

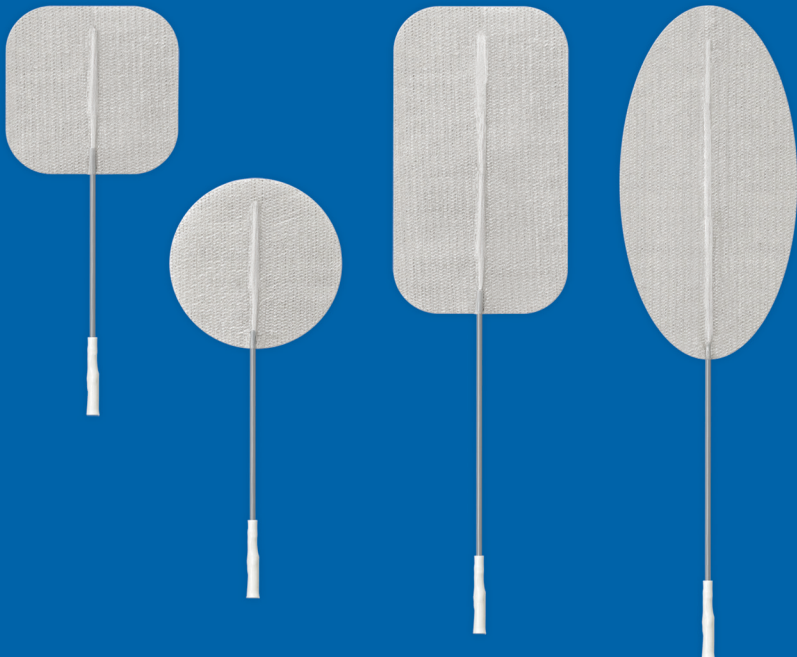




EMS and TENS Electrodes

One of our first product lines, PALS® revolutionized neurostimulation electrode performance with a patented stainless-steel knit fabric design. The PALS® design allows for multiple applications while maintaining flexibility and maximizing conformity to a variety of body surfaces.

These electrodes are designed for EMS and TENS applications and are paired with our patented multi-layer MultiStick® hydrogel. Together these features provide patient comfort during stimulation via an evenly dispersed current that eliminates stinging, edge-biting, and hot spots.



PALS® electrodes are available in the following options:

Part #	Shape	Description	#Elc/Pk	#Pk/Cs	#Elc/Cs
J10R00		1.0" (2.5cm)	4	10	40
879100		1.25" (3.2cm)	4	10	40
879200		2.0" (5cm)	4	10	40
879300		2.75" (7cm)	4	10	40
891200		1.3" x 2.1" (3.3cm x 5.3cm)	4	10	40
895220		2.0" x 2.0" (5cm x 5cm)	4	10	40
895240		2.0" x 3.5" (5cm x 9cm)	4	10	40
895250		2.0" x 5.0" (5cm x 13cm)	2	10	20
895340		3.0" x 4.0" (7.5cm x 10cm)	2	10	20
896230		1.5" x 2.5" (4cm x 6.4cm)	4	10	40
896240		2.0" x 4.0" (5cm x 10cm)	4	10	40
896350		3.0" x 5.0" (7.5cm x 13cm)	2	10	20

Part #	Shape	Description - Foam	#Elc/Pk	#Pk/Cs	#Elc/Cs
975200		2.0" (5cm)	4	10	40
975220		2.0" x 2.0" (5cm x 5cm)	4	10	40
975240		2.0" x 3.5" (5cm x 9cm)	4	10	40
975250		2.0" x 5.0" (5cm x 13cm)	2	10	20
976230		1.5" x 2.5" (4cm x 6.4cm)	4	10	40
976240		2.0" x 4.0" (5cm x 10cm)	4	10	40
976350		3.0" x 5.0" (7.5cm x 13cm)	2	10	20

PALS® StimTrode® electrodes feature white polycoated fabric tops:

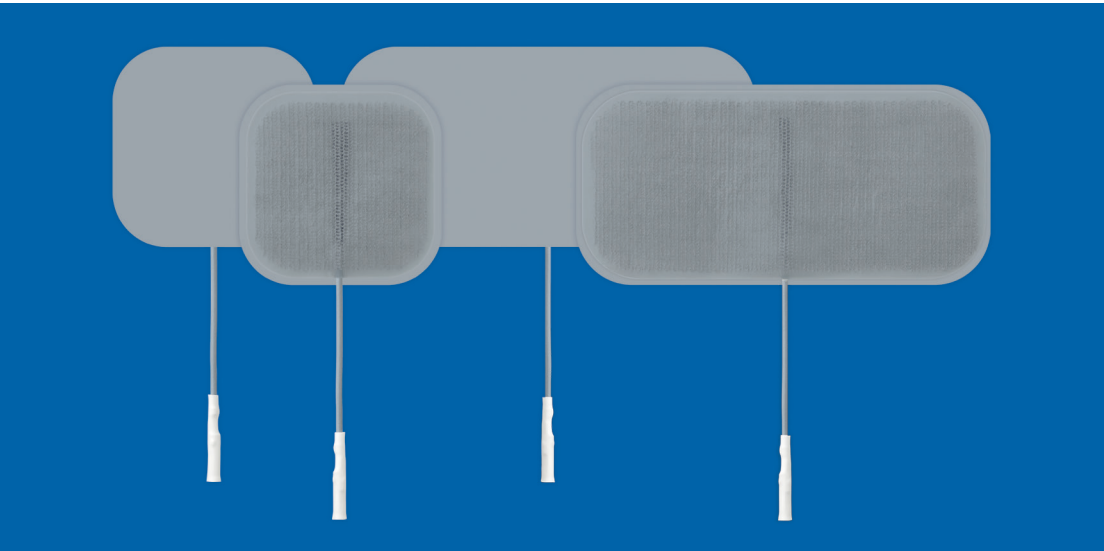
Part #	Shape	Description	#Elc/Pk	#Pk/Cs	#Elc/Cs
ST32D		1.25" (3.2cm)	4	10	40
ST50D		2.0" (5cm)	4	10	40
ST75D		2.75" (7cm)	4	10	40
ST5050		2.0" x 2.0" (5cm x 5cm)	4	10	40
ST5090		2.0" x 3.5" (5cm x 9cm)	4	10	40
ST510D		2.0" x 4.0" (5cm x 10cm)	2	10	20



EMS and TENS Electrodes

Designed for EMS and TENS applications and combined with our MultiStick® hydrogel, PALS® technology provides superior conductivity and flexibility alongside optimum skin adhesion. PALS®X electrodes feature patented dual-border technology which promotes enhanced electrode safety and durability. While the inner gel border covers the conductive fabric edge, the outer border seals the electrode and aids in removal.

Our automation allows us to deliver this product with shorter lead times and high-quality consistency.



Part #	Shape	Description	#Elc/Pk	#Pk/Cs	#Elc/Cs
PX2020		2.0" x 2.0" (5cm x 5cm)	4	10	40
PX2040		2.0" x 4.0" (5cm x 10cm)	4	10	40

PALS® Clinical

Electrodes with DermaFlow® Hydrogel

PALS® Clinical electrodes are designed for EMS and TENS applications and are the most advanced addition to the PALS® electrode series. Featuring our ultra gentle DermaFlow® gel, patient comfort is enhanced by current dispersing evenly across the electrode and patented dual-border technology ensures safety and durability. The inner gel border covers the conductive fabric edge while the outer border seals the electrode and aids in removal.

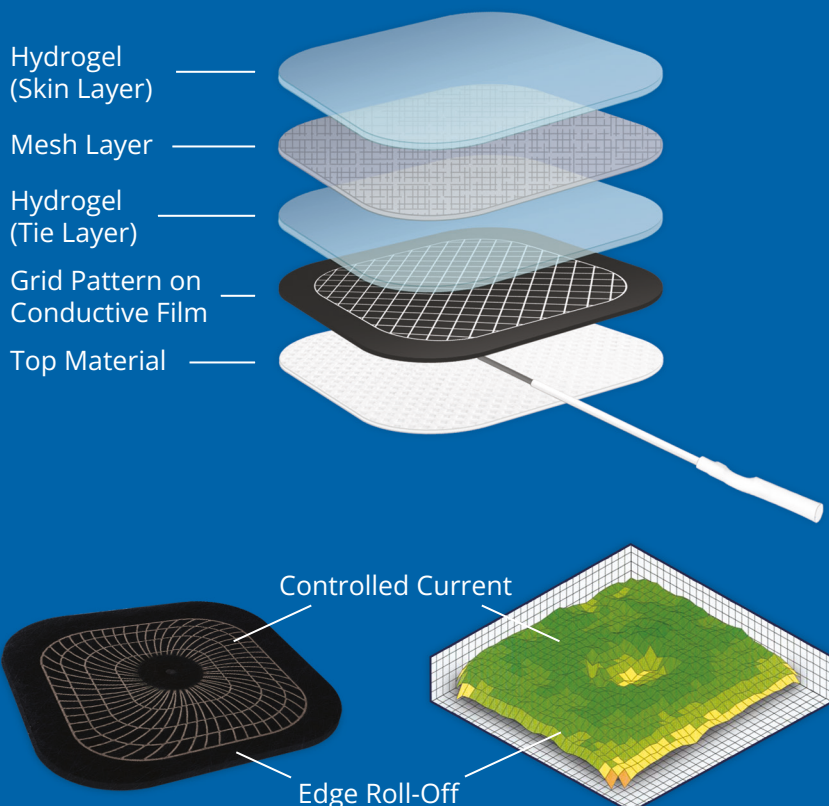


Part #	Shape	Description	#Elc/Pk	#Pk/Cs	#Elc/Cs
210220		2.0" x 2.0" (5cm x 5cm)	4	10	40
210240		2.0" x 4.0" (5cm x 10cm)	4	10	40

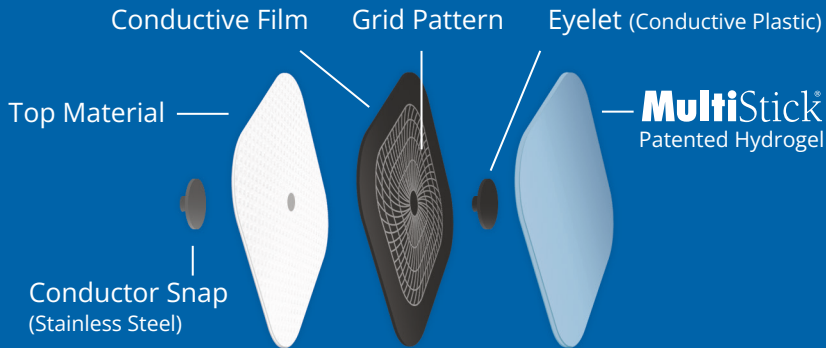
UltraStim®

Patented Electrode Technology

Experience stimulation ease and comfort with UltraStim® electrodes. These electrodes are developed with a scientifically calculated silver grid patterns printed on conductive material. These grid patterns precisely control and optimize the electrical current over the surface of the electrode. In addition, the border around the pattern allows for an intentional current drop-off. This feature eliminates edge-biting and stinging and results in stimulation comfort.

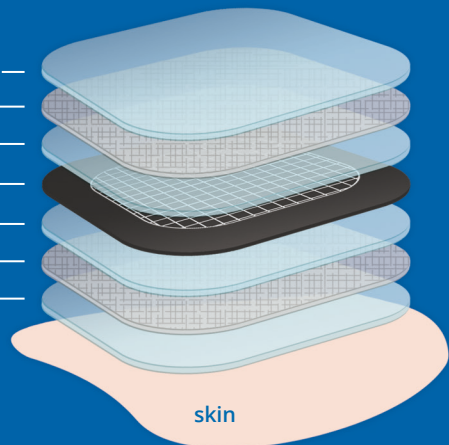


UltraStim® Snap

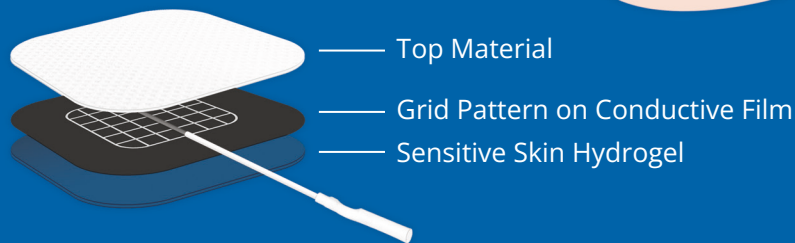


UltraStim® Pad

- Formulated specifically for garment adhesion —
- Supporting mesh —
- Developed for adherence to conductive film —
- Conductive film with printed grid pattern —
- Developed for adherence to conductive film —
- Supporting mesh —
- Unique layer allows easy release from skin —



UltraStim® X Blue



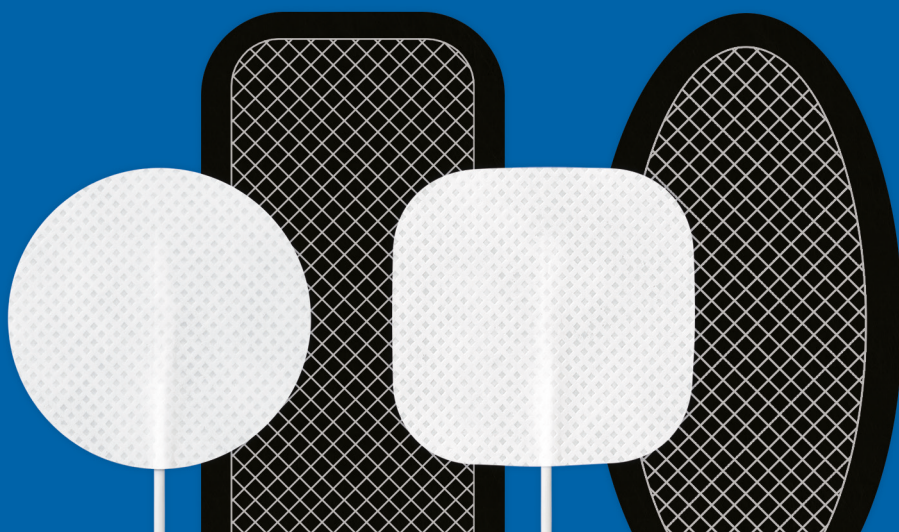
Featuring MultiStick® Hydrogel

Our patented multi-layer hydrogel used in the construction of UltraStim® electrodes is specially developed for adherence to conductive film and easy release from a patient's skin.

UltraStim® Wire

Current-Controlling Technology

UltraStim® electrodes are designed for EMS and TENS applications and feature Axelgaard's proprietary silver grid patterns. These grids precisely control and ensure an even electrical current over the electrode surface. A border around each pattern allows for an intentional current roll-off, eliminating edge-biting or stinging. And a polycoated white cloth backing provides a protective moisture barrier.

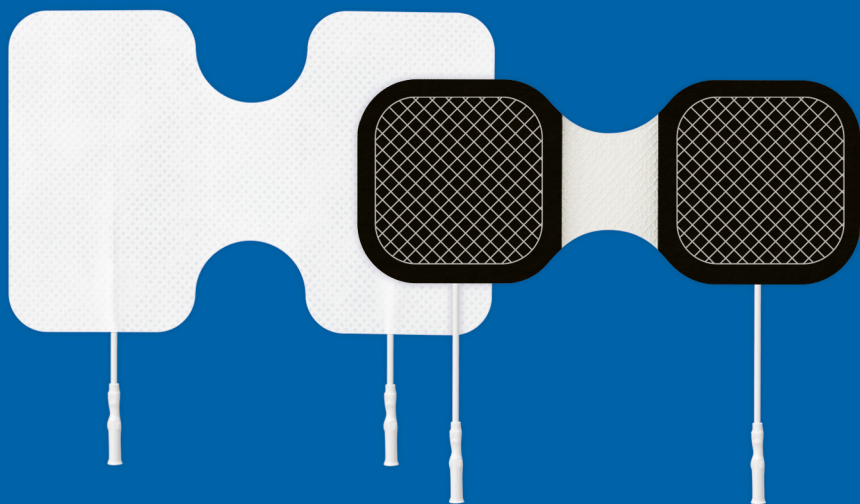


Part #	Shape	Description	#Elc/Pk	#Pk/Cs	#Elc/Cs
UF1250		1.25" (3.2cm)	4	10	40
UF2000		2.0" (5cm)	4	10	40
UF2750		2.75" (7cm)	4	10	40
UF2020		2.0" x 2.0" (5cm x 5cm)	4	10	40
UF2040		2.0" x 4.0" (5cm x 10cm)	4	10	40
UF2400		2.0" x 4.0" (5cm x 10cm)	4	10	40

UltraStim® Dual

Current-Controlling Technology

Designed for EMS and TENS applications, UltraStim® Dual electrodes are manufactured with a fixed distance between two electrodes to ensure convenience, ease of application, and effective stimulation. Patient comfort is optimized further by a proprietary silver grid pattern that precisely controls electrical current evenly over the surface of the electrode.



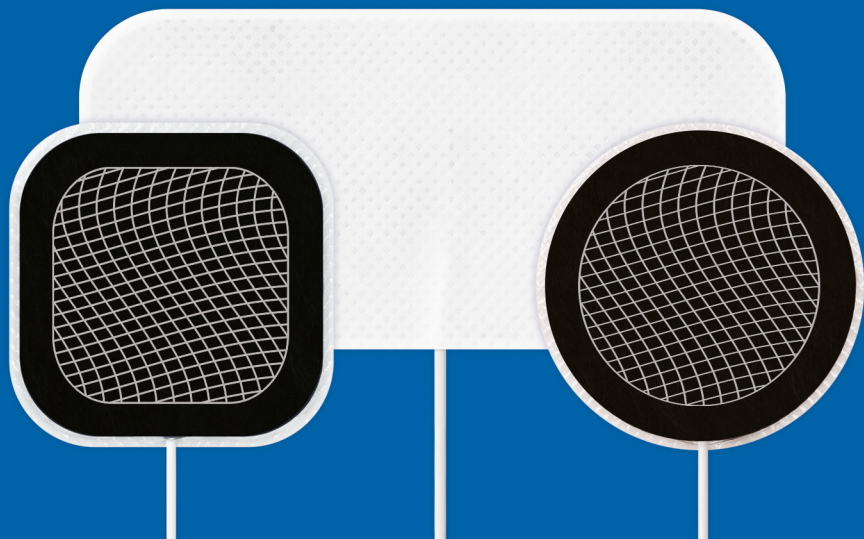
Part #	Shape	Description	#Elc/Pk	#Pk/Cs	#Elc/Cs
ULB355		3.5" x 5.0" (9cm x 13cm)	1	10	10
ULB250		2.0" x 5.0" (5cm x 13cm)	2	10	20

UltraStim®X

Current-Controlling Technology

Designed for EMS and TENS applications, UltraStim® X electrodes offer a perfect blend of flexibility, durability, and value.

The proprietary silver grid patterns ensure precise and even electrical current distribution across the electrode surface. Our MultiStick® hydrogel provides exceptional adhesion and performance, while the oversized border allows for easy and proper removal, further enhancing the electrode's durability.



Part #	Shape	Description	#Elc/Pk	#Pk/Cs	#Elc/Cs
USX2000	⊖	2.0" (5cm)	4	10	40
USX2020	⊖	2.0" x 2.0" (5cm x 5cm)	4	10	40
USX2040	⊖	2.0" x 4.0" (5cm x 10cm)	4	10	40

UltraStim® X Blue

Formulated for Sensitive Skin

UltraStim® X Blue electrodes are designed for EMS and TENS applications and feature a hydrogel formulated for extremely sensitive skin. A distinctive silver grid pattern provides even current dispersion for a more comfortable therapy treatment. The backing is water-repellent and its oversized border is designed to facilitate easy removal to further promote electrode durability.

Featuring a soft 70mil thickness for even higher comfort.



Part #	Shape	Description	#Elc/Pk	#Pk/Cs	#Elc/Cs
USXB5050		2.0" x 2.0" (5cm x 5cm)	4	10	40
USXB50100		2.0" x 4.0" (5cm x 10cm)	4	10	40

UltraStim® Snap

Current-Controlling Technology

UltraStim® Snap and UltraStim® CC electrodes are designed for EMS and TENS performance at the highest level. As the original innovators in this category of electrode, our UltraStim® electrodes are developed and manufactured to deliver smooth, even current distribution using our patented silver grid technology. These proprietary grid patterns precisely control electrical current while the surrounding borders create a deliberate current roll-off to help prevent edge stinging.

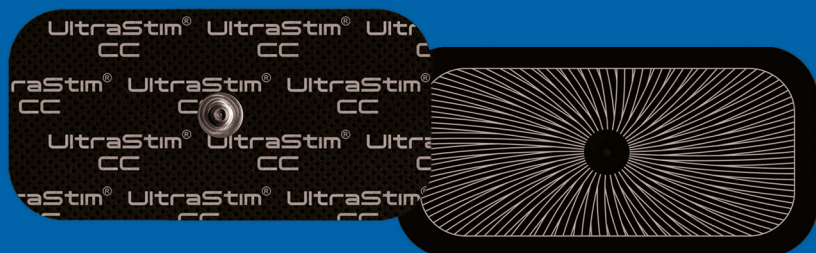
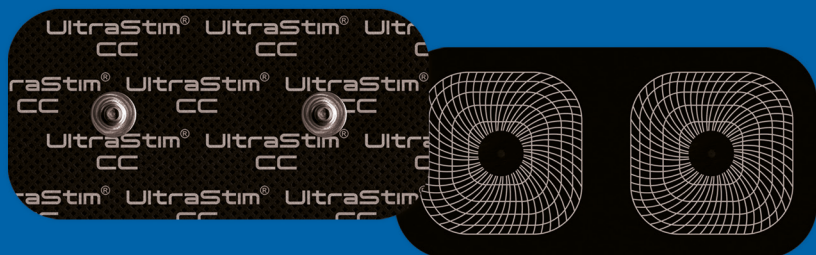
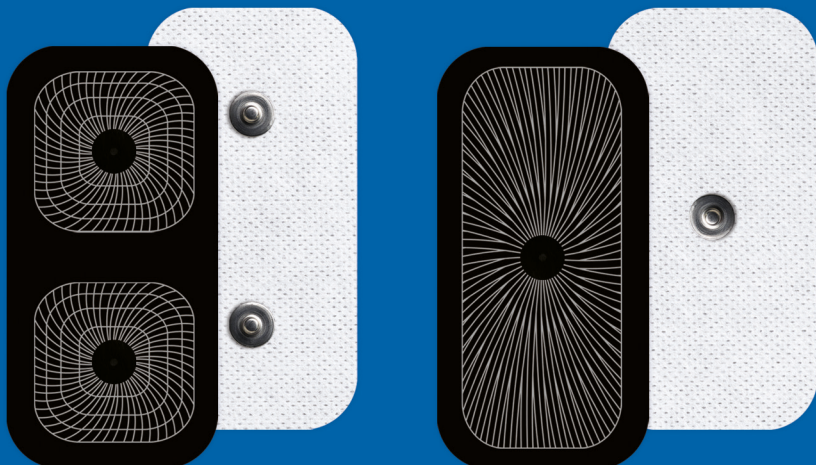
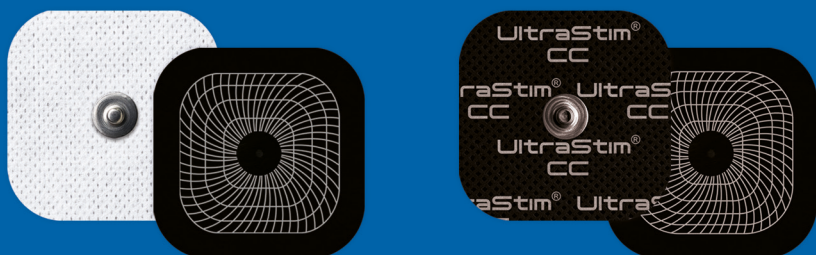
MultiStick® hydrogel is utilized in UltraStim® Snap to provide optimal comfort and reliable adhesion across repeated applications. And each snap connector is precisely engineered to match system impedance, ensuring consistent current flow across the entire electrode surface.

UltraStim® Snap electrodes feature our universal snap design for use with established systems.

Part #	Shape	Description	#Elc/Pk	#Pk/Cs	#Elc/Cs
SN2020		2.0" x 2.0" (5cm x 5cm)	4	10	40
SN2040		2.0" x 4.0" (5cm x 10cm)	4	10	40
SN2040-D		2.0" x 4.0" (5cm x 10cm)	2	10	20

UltraStim® CC electrodes expand compatibility to additional devices.

Part #	Shape	Description	#Elc/Pk	#Pk/Cs	#Elc/Cs
SNC2020		2.0" x 2.0" (5cm x 5cm)	4	10	40
SNC2040		2.0" x 4.0" (5cm x 10cm)	4	10	40
SNC2040-D		2.0" x 4.0" (5cm x 10cm)	2	10	20



UltraStim®

Garments & Pad Electrodes

This patented, easy-to-use, lower back TENS therapy solution combines UltraStim® with a supportive garment that requires no assistance for application or removal. Electrode placement instructions are printed on the garment to guide proper electrode positioning and for precise placement when used at home. For added convenience, easy storage, and reapplication, the electrodes stay on the garment when removed from the body.



Part # Description

B22-S S/M Back Garment Kit contains:
 1 S/M Back Garment - Waist 25"-42" (63cm-107cm)
 4 US2020 UltraStim Electrodes
 4 Black Snap Adapters

B22-L L/XL Back Garment Kit contains:
 1 L/XL Back Garment - Waist 40"-54" (102cm-137cm)
 4 US2020 UltraStim Electrodes
 4 Black Snap Adapters

Part #	Shape	Description	Per Pk	#Pk/Cs	#Elc/Cs
US2020		2.0" x 2.0" (5cm x 5cm)	4	10	40

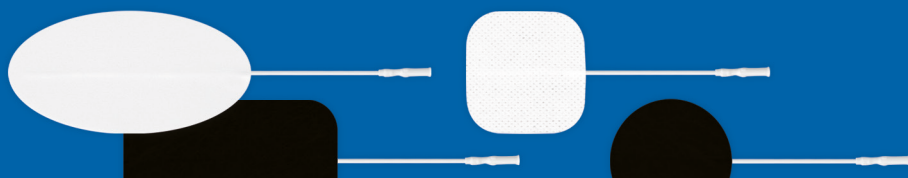
Part #	Description	Per Pk	#Pk/Cs	#Itm/Cs
SA1004	Black Snap Adapter	4	10	40
SA2004	White Snap Adapter	4	10	40

ValuTrode®

Economical Neurostimulation Electrodes

ValuTrode® electrodes are designed for TENS applications and maintain superior quality and durability at an economical price.

Every lead wire interface is customized for each electrode shape and size to optimize current distribution.



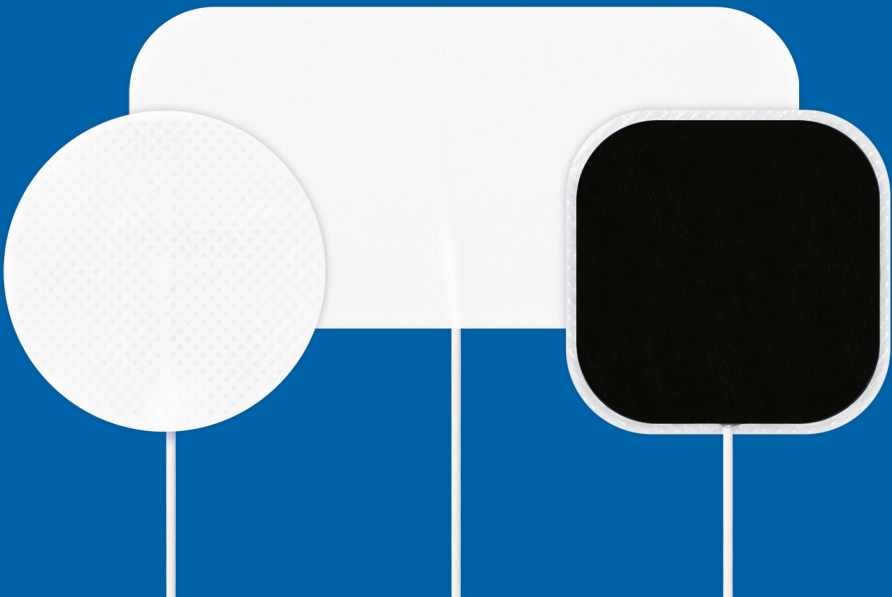
Part #	Shape	Description - Cloth	#Elc/Pk	#Pk/Cs	#Elc/Cs
CF3200		1.25" (3.2cm)	4	10	40
CF5000		2.0" (5cm)	4	10	40
CF7000		2.75" (7cm)	4	10	40
CF5050		2.0" x 2.0" (5cm x 5cm)	4	10	40
CF4090		1.5" x 3.5" (4cm x 9cm)	4	10	40
CF5090		2.0" x 3.5" (4cm x 9cm)	4	10	40
CF7515		3.0" x 5.0" (7.5cm x 13cm)	2	10	20
CF4065		1.5" x 2.5" (4cm x 6.4cm)	4	10	40
CF5010		2.0" x 4.0" (5cm x 10cm)	4	10	40
CF1020		4.0" x 7.0" (10cm x 18cm)	1	10	10

Part #	Shape	Description - Foam	#Elc/Pk	#Pk/Cs	#Elc/Cs
CFF125		1.25" (3.2cm)	4	10	40
CFF200		2.0" (5cm)	4	10	40
CFF275		2.75" (7cm)	4	10	40
CFF202		2.0" x 2.0" (5cm x 5cm)	4	10	40
CFF153		1.5" x 3.5" (4cm x 9cm)	4	10	40
CFF203		2.0" x 3.5" (4cm x 9cm)	4	10	40
CFF305		3.0" x 5.0" (7.5cm x 13cm)	2	10	20
CFF152		1.5" x 2.5" (4cm x 6.4cm)	4	10	40
CFF204		2.0" x 4.0" (5cm x 10cm)	4	10	40

ValuTrode®X

Economical Neurostimulation Electrodes

Designed for TENS applications, ValuTrode®X electrodes expand upon the features of ValuTrode®. Their oversized border promotes easy electrode removal, further extending the life of the product.



Part #	Shape	Description - Cloth	#Elc/Pk	#Pk/Cs	#Elc/Cs
VTX5000		2.0" (5cm)	4	10	40
VTX5050		2.0" x 2.0" (5cm x 5cm)	4	10	40
VTX50100		2.0" x 4.0" (5cm x 10cm)	4	10	40
Part #	Shape	Description - Foam	#Elc/Pk	#Pk/Cs	#Elc/Cs
VTX2000		2.0" (5cm)	4	10	40
VTX2020		2.0" x 2.0" (5cm x 5cm)	4	10	40
VTXF50100		2.0" x 4.0" (5cm x 10cm)	4	10	40



Axelgaard's Lonto480® buffered iontophoresis electrode treatment kit uses a scientific blend of materials to provide optimum comfort during treatment. The drug delivery pad features a convenient fill reservoir which makes medication application easy. A soft foam backing conforms to body contours. In addition, the accompanying buffered return electrode - made with patented hydrogel - creates a stable environment to prevent skin irritation and burns.



Part #	Shape	Kit Contents	#Kits/Cs*
DDS275		1 Small Square Active Drug Delivery Electrode (Approximate Fill Volume - 1.5cc) 1 Buffer Electrode, 2 Alcohol Prep Pads	10
DDM325		1 Medium Square Active Drug Delivery Electrode (Approximate Fill Volume - 2.5cc) 1 Buffer Electrode, 2 Alcohol Prep Pads	10
DDL350		1 Large Square Active Drug Delivery Electrode (Approximate Fill Volume - 4.0cc) 1 Buffer Electrode, 2 Alcohol Prep Pads	10
DDB375		1 Butterfly Active Drug Delivery Electrode (Approximate Fill Volume - 2.0cc) 1 Buffer Electrode, 2 Alcohol Prep Pads	10

*Each case contains: 1 instruction, 10 individually packaged kits



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