



# ELECTRODE CATALOGUE



2024

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## ECG and EMG Electrodes

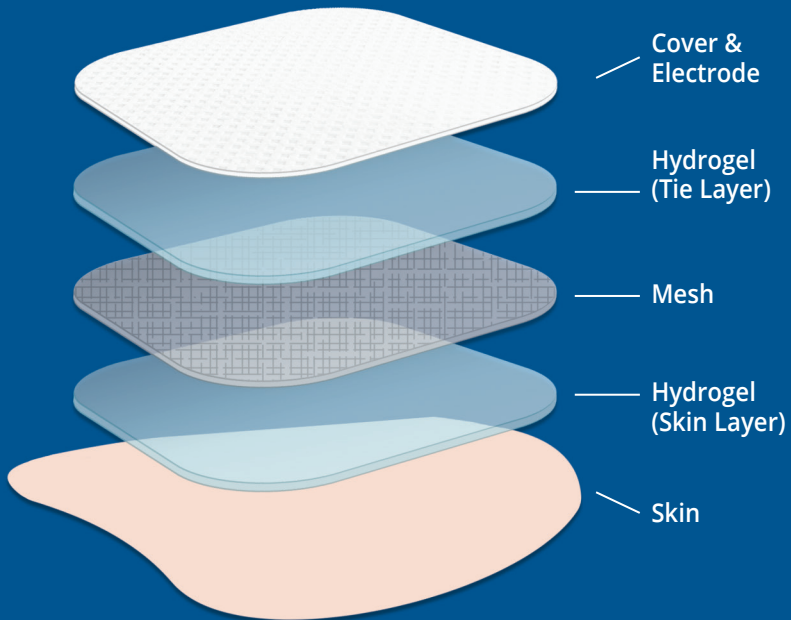
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# MultiStick<sup>®</sup>

Patented Multi-layer Adhesive Hydrogel

Axelgaard electrodes feature our patented MultiStick<sup>®</sup> hydrogel, a multi-layered adhesive hydrogel. The formulation of the hydrogel “tie” layer optimizes bonding to an electrode to prevent delamination. Our controlled placement of the mesh layer provides consistent structural support. And the hydrogel “skin” layer is specifically formulated for maximum skin adhesion that allows for multiple applications to a patient’s skin.



## Superior Gel Adhesion and Performance

This multi-layer approach ensures high quality electrodes and avoids the delamination and poor adhesion common in single layer gels.

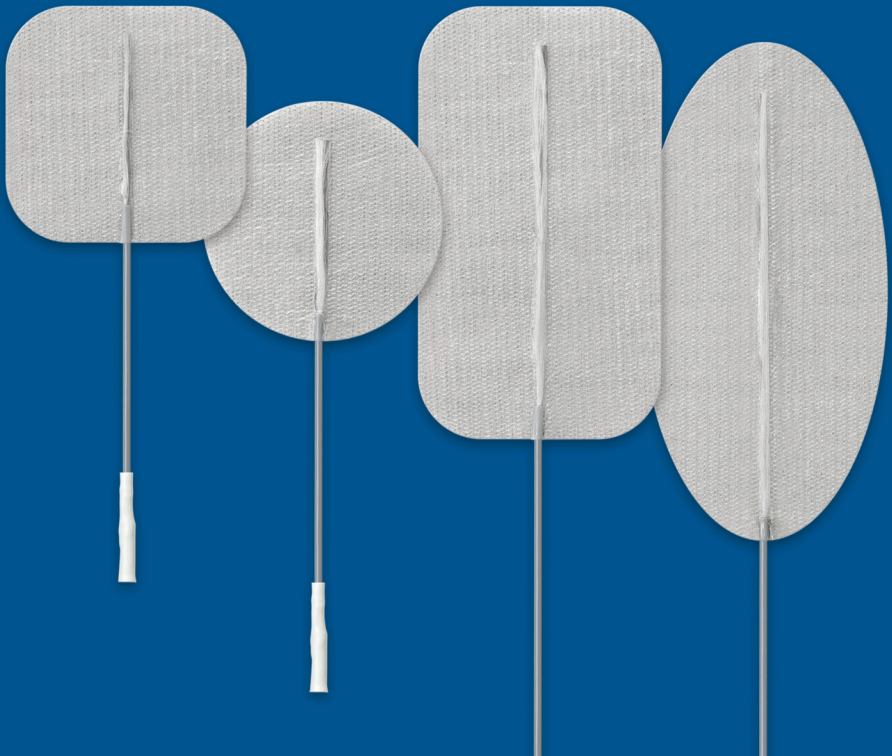
# PALS®

## Neurostimulation Electrodes with MultiStick® Hydrogel














One of Axelgaard's first product lines.








Designed for EMS and TENS applications, 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.

Paired with our patented multi-layer MultiStick® hydrogel, this design provides 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
895402		2.0" x 4.0" (5cm x 10cm)	2	10	20
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

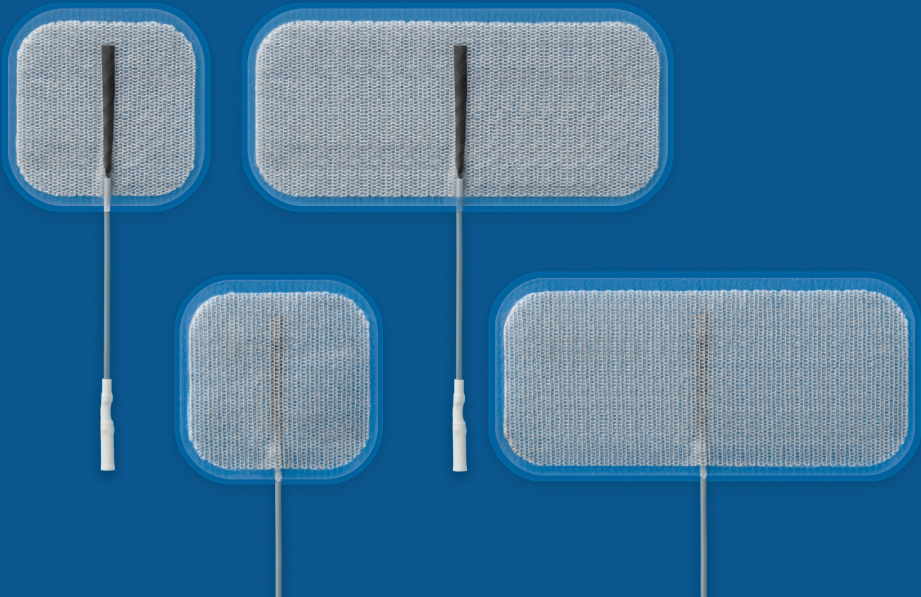
# PALS<sup>®</sup>X



## EMS and TENS Electrodes

Designed for EMS and TENS applications.

Combined with Axelgaard's MultiStick<sup>®</sup> hydrogel, PALS<sup>®</sup> technology provides superior conductivity and flexibility alongside optimum skin adhesion. The patented dual-border technology promotes enhanced electrode safety and durability. The inner gel border covers the conductive fabric edge while 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.



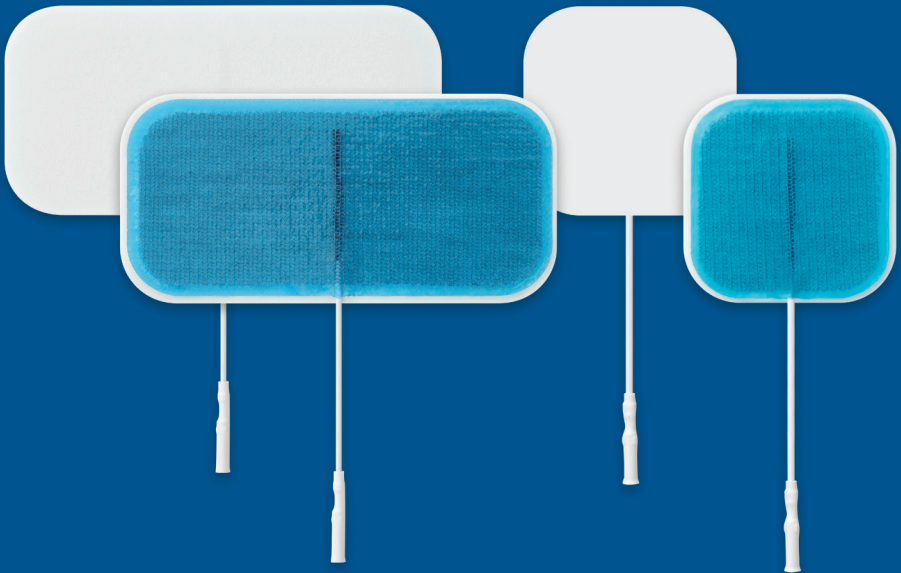
Part #	Shape	Description	#Elc/Pk	#Pk/Cs	#Elc/Cs
PX2020		2.0" x 2.0" (5cm x 5cm)	4	10	40
PX2040		2.0" x 4.0" (5cm x 10cm)	4	10	40



# PALS<sup>®</sup> Clinical

## Electrodes with DermaFlow<sup>®</sup> Hydrogel

Our most advanced addition to the PALS electrode series.

Designed for EMS and TENS applications and combined with our hypoallergenic and antimicrobial DermaFlow<sup>®</sup> gel, patient comfort is enhanced by current dispersing evenly across the electrode. The patented dual-border technology promotes enhanced electrode 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

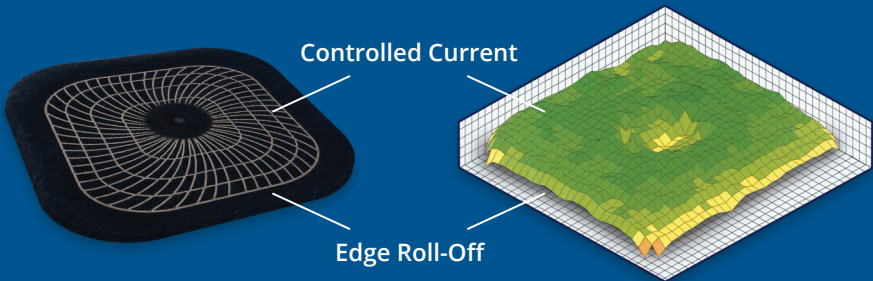
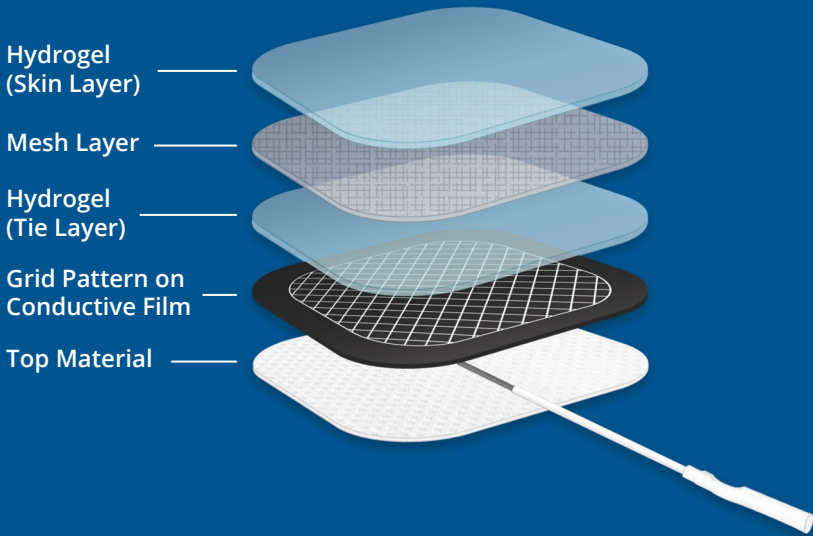


# UltraStim<sup>®</sup> Electrodes

Patented Current-Controlling Technology

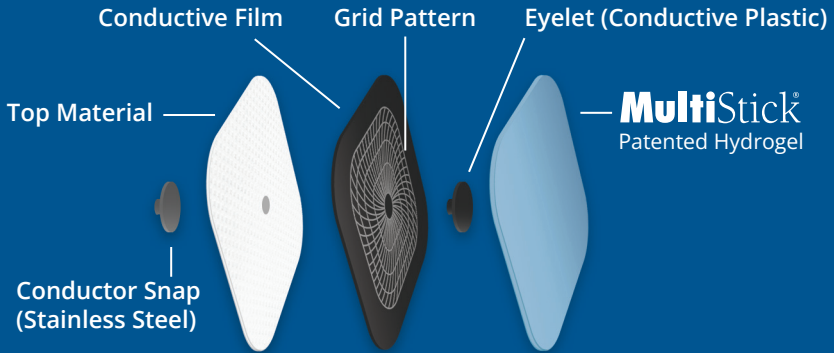
## Experience Stimulation Ease and Comfort

UltraStim<sup>®</sup> electrodes are developed with a scientifically calculated silver grid pattern printed on conductive material. This grid pattern precisely controls and optimizes the electrical current over the surface of the electrode. And the border around the pattern allows for an intentional current drop off. This eliminates edge biting and stinging and results in stimulation comfort.



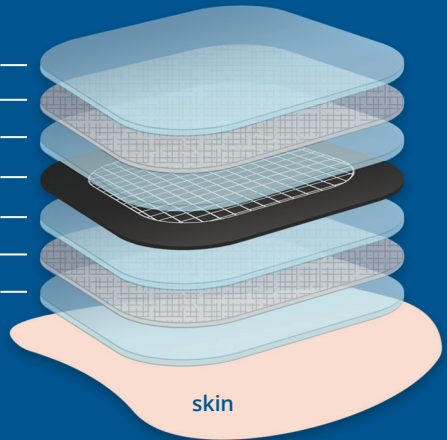


## UltraStim® Snap

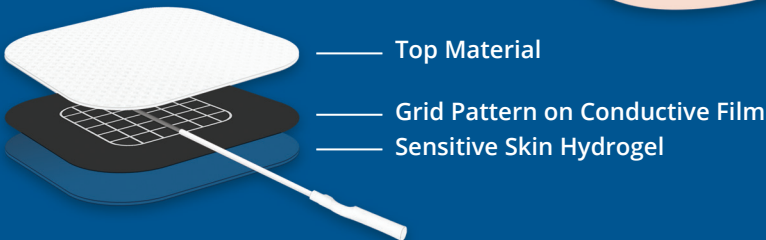


## UltraStim® Pad

- 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



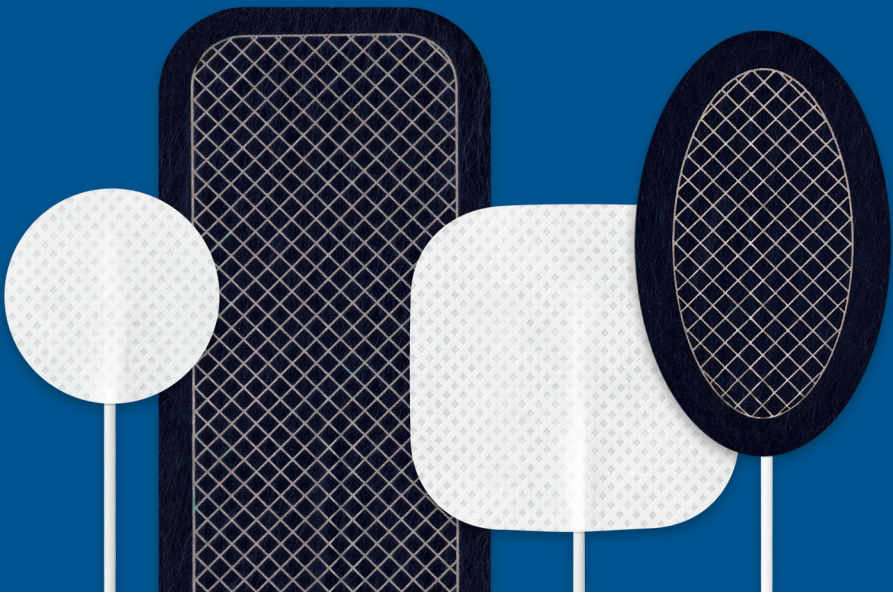
## Featuring MultiStick® Hydrogel

Axelgaard's patented multi-layer hydrogel is used in the construction of UltraStim® electrodes is specially developed for adherence to conductive film as well as easy release from the 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.

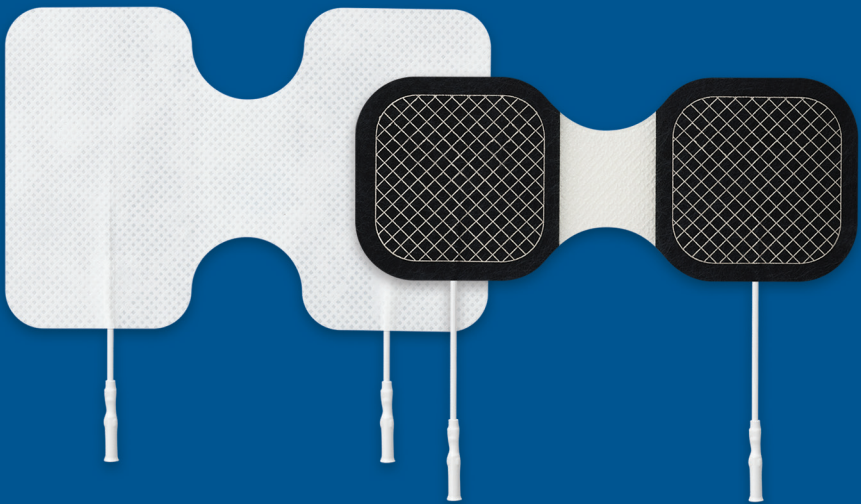




Part #	Shape	Description	#Elc/Pk	#Pk/Cs	#Elc/Cs
UF1250	○	1.25" (3.2cm)	4	10	40
UF2000	○	2.0" (5cm)	4	10	40
UF2750	○	2.75" (7cm)	4	10	40
UF2020	□	2.0" x 2.0" (5cm x 5cm)	4	10	40
UF2040	▭	2.0" x 4.0" (5cm x 10cm)	4	10	40
UF2400	○	2.0" x 4.0" (5cm x 10cm)	4	10	40

# 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.



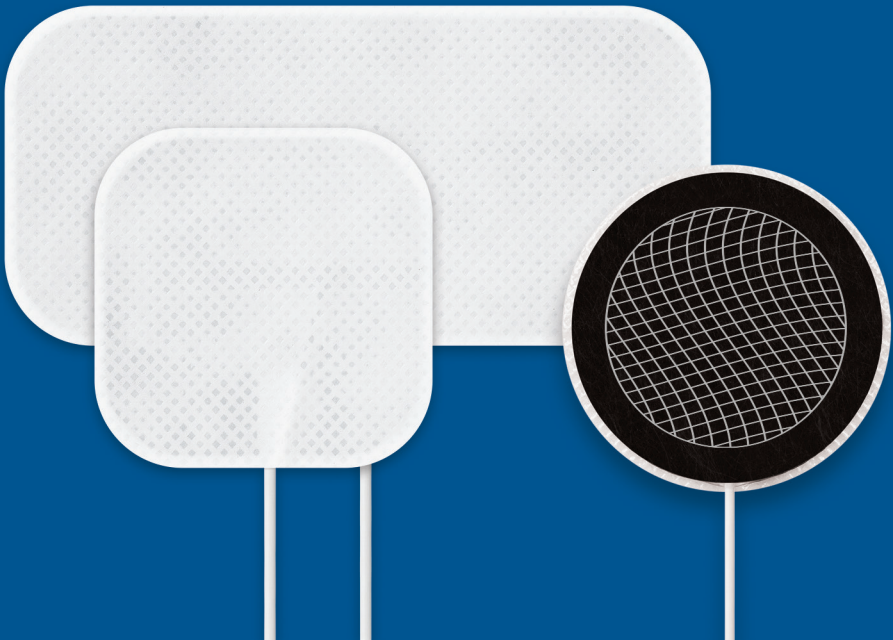
Part #	Shape	Description	#Elc/Pk	#Pk/Cs	#Elc/Cs
ULB355		3.5" x 5.0" (9cm x 13cm)	1	10	10
ULB250		2.0" x 5.0" (5cm x 13cm)	2	10	20

# UltraStim® X

## Current-Controlling Technology

UltraStim® X electrodes are designed for EMS and TENS applications and blend flexibility and durability with value.

A proprietary silver grid pattern precisely controls electrical current evenly over the surface of the electrode. Axelgaard's MultiStick® hydrogel provides uncompromised adhesion and performance. And an oversized border facilitates ease of proper removal to further promote electrode 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.



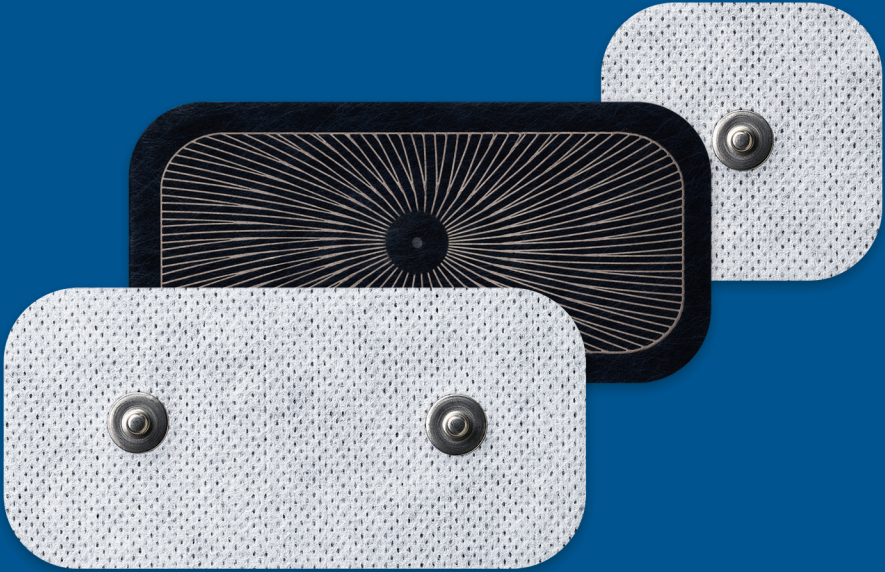
Part #	Shape	Description	#Elc/Pk	#Pk/Cs	#Elc/Cs
USXB5050		2.0" x 2.0" (5cm x 5cm)	4	10	40
USXB50100		2.0" x 4.0" (5cm x 10cm)	4	10	40






# UltraStim® Snap

Current-Controlling Technology

Designed for EMS and TENS applications, UltraStim® Snap electrodes distribute an even and comfortable current through the use of snap connectors rather than lead wires. The bottom snap matches impedance with the entire system to provide the even current distribution. Proprietary silver grid patterns precisely control electrical current over the electrode surface. And a border around the grids allows for an intentional current roll-off to eliminate edge stinging.



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®

## 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	#ltn/Cs
SA1004	Black Snap Adapter	4	10	40
SA2004	White Snap Adapter	4	10	40



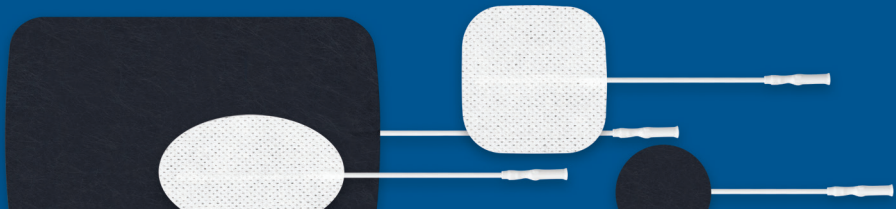
# ValuTrode®

## Economical Neurostimulation Electrodes

Designed for TENS applications.

Superior quality and durability at an economical price.

Every ValuTrode® electrode's 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

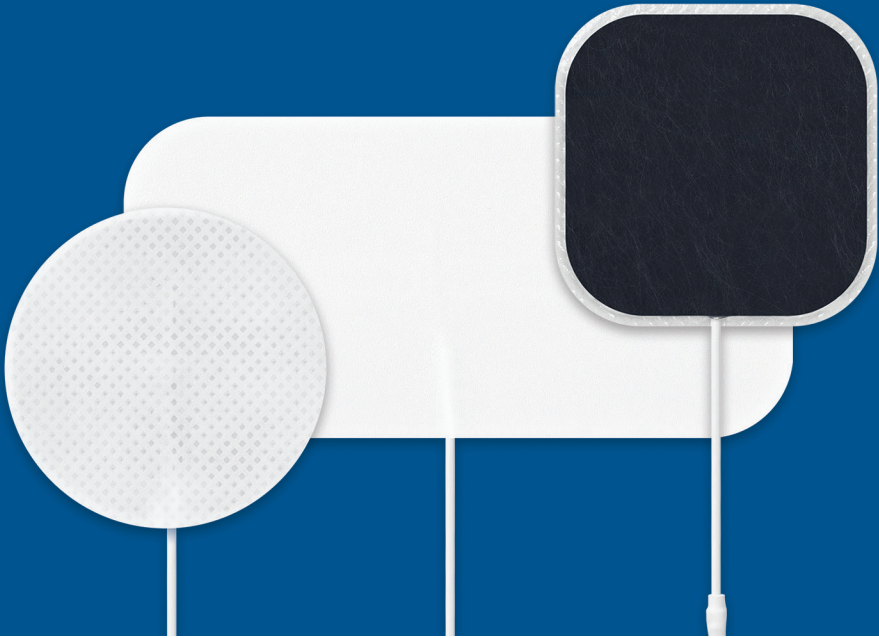
Part #	Shape	Description - Foam	#Elc/Pk	#Pk/Cs	#Elc/Cs
CFF125	⊖	1.25" (3.2cm)	4	10	40
CFF200	⊖	2.0" (5cm)	4	10	40
CFF275	⊖	2.75" (7cm)	4	10	40
CFF202	⊖	2.0" x 2.0" (5cm x 5cm)	4	10	40
CFF153	⊖	1.5" x 3.5" (4cm x 9cm)	4	10	40
CFF203	⊖	2.0" x 3.5" (4cm x 9cm)	4	10	40
CFF305	⊖	3.0" x 5.0" (7.5cm x 13cm)	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 feature an oversized border that promotes easy 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







# Lonto480<sup>®</sup>

Buffered Iontophoresis Electrodes

Axelgaard's Lonto480<sup>®</sup> 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. And the accompanying buffered return electrode - made with patented hydrogel - creates a stable environment to prevent skin irritation and burns.



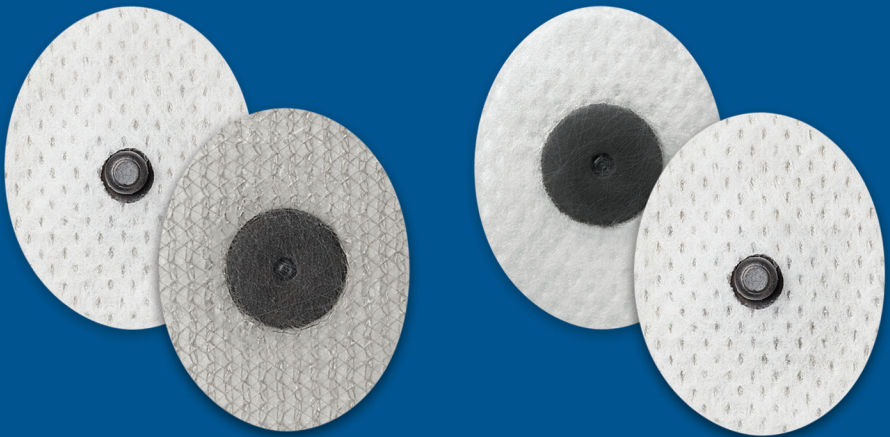
Part #	Shape	Kit Contents	#Kits/Cs*
DDS275		1 Small Square Active Drug Delivery Electrode (Approximate Fill Volume - 1.5cc) 1 Buffer Electrode, 2 Alcohol Prep Pads	10
DDM325		1 Medium Square Active Drug Delivery Electrode (Approximate Fill Volume - 2.5cc) 1 Buffer Electrode, 2 Alcohol Prep Pads	10
DDL350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

# Little PALS<sup>®</sup>

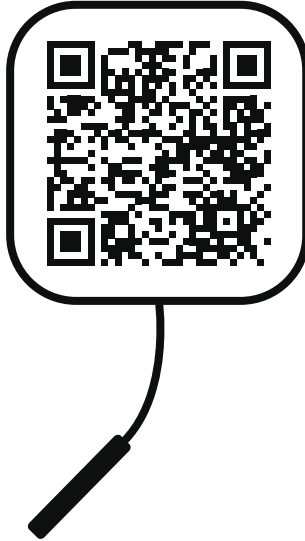
## ECG & EMG Neonatal Electrodes

Axelgaard's patented dual-sensor neonatal pediatric electrodes excel in the monitoring of neonatal apnea, electrocardiogram (ECG), and electromyogram (EMG) biofeedback. To meet the needs of infant patients and their nurses, these electrodes provide high-quality adhesion, pliability, and sensitivity while offering resistance to heat, humidity, and dry-out conditions.



Part #	Description - Dual Sensor	#Elc/Pk	#Pk/Cs	#Elc/Cs
SEN3001	0.9" x 1.1" (2.2cm x 2.8cm) Sensing Hydrogel, AgCl Snap, AgCl Fabric, White Cover	6	10	60
Part #	Description - Standard	#Elc/Pk	#Pk/Cs	#Elc/Cs
SEN5001	0.9" x 1.1" (2.2cm x 2.8cm) Sensing Hydrogel, AgCl Snap, White Cover	6	10	60

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