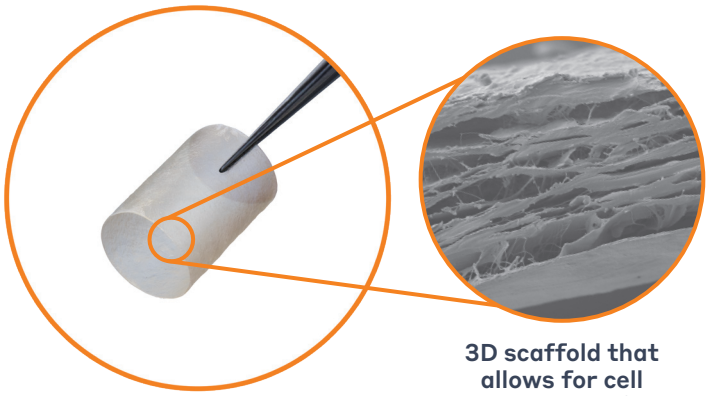
axoguard nerve connector®



3D scaffold that allows for cell migration[1-3]

Semi-translucent coaptation aid designed for Connector-Assisted Repair® (CAR) of transected nerves up to 5 mm.

key advantages

CAR alleviates tension and inflammation at the critical zone of regeneration[4,5]

- Disperses tension across repair site
- Moves suture inflammation away from coaptation

CAR is a clinically proven alternative to direct suture repair[4]

- Reduces the risk of forced fascicular mismatch
- Aids alignment of nerve ends
- Reduces the potential for axonal escape

Vascularizes and remodels

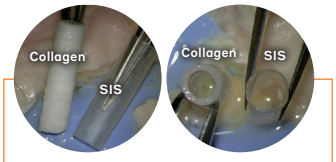
- Small intestine submucosa (SIS) incorporates into the patient's own tissue, creating a physical barrier to surrounding soft tissue[1,2,4,6]
- Supports natural wound healing

Intra-operative versatility

- Available in a variety of lengths and diameters to meet a range of anatomical needs
- Reinforces the coaptation site of direct, graft, or cable graft repairs
- Off-the-shelf option, stored at room temperature with a minimum 18-month shelf life

#1 market leader*

50% **increased likelihood** of pain at the coaptation site when primary suture is used versus CAR with various conduits[4]



Porcine SIS material offers excellent flexibility and is semi-translucent compared to opaque competitive collagen products

option for 0 mm to 5 mm

axoguard nerve connector®

options for 5 mm to 70 mm+

avance® nerve graft + axoguard nerve connector®

autograft + axoguard nerve connector®

*IQVIA data

revolutionizing the science of nerve repair™

axogen®

one company for all your surgical nerve repair solutions

avance® nerve graft

Biologically active, processed human nerve allograft developed for bridging nerve discontinuities up to 70 mm

Code	Dimensions
111215	1–2 mm x 15 mm
211215	2–3 mm x 15 mm
311215	3–4 mm x 15 mm
411215	4–5 mm x 15 mm
111230	1–2 mm x 30 mm
211230	2–3 mm x 30 mm
311230	3–4 mm x 30 mm
411230	4–5 mm x 30 mm
111250	1–2 mm x 50 mm
211250	2–3 mm x 50 mm
311250	3–4 mm x 50 mm
411250	4–5 mm x 50 mm
111270	1–2 mm x 70 mm
211270	2–3 mm x 70 mm
311270	3–4 mm x 70 mm
411270	4–5 mm x 70 mm

axoguard® nerve connector®

Semi-translucent coaptation aid for nerve transections up to 5 mm

Code	Dimensions
AGX110	1.5 mm x 10 mm
AGX210	2 mm x 10 mm
AGX310	3 mm x 10 mm
AGX410	4 mm x 10 mm
AGX510	5 mm x 10 mm
AGX610	6 mm x 10 mm
AGX710	7 mm x 10 mm
AGX115	1.5 mm x 15 mm
AGX215	2 mm x 15 mm
AGX315	3 mm x 15 mm
AGX415	4 mm x 15 mm
AGX515	5 mm x 15 mm
AGX615	6 mm x 15 mm
AGX715	7 mm x 15 mm

axoguard® nerve protector®

Extracellular matrix that remodels to protect injured nerves and reinforce nerve reconstructions

Code	Dimensions
AG0220	2 mm x 20 mm
AG0320	3.5 mm x 20 mm
AG0520	5 mm x 20 mm
AG0720	7 mm x 20 mm
AG1020	10 mm x 20 mm
AG0340	3.5 mm x 40 mm
AG0540	5 mm x 40 mm
AG0740	7 mm x 40 mm
AG1040	10 mm x 40 mm

axoguard® nerve cap®

Separates nerve end from surrounding environment to protect from mechanical stimulation and reduce painful neuroma formation

Code	Dimensions
AGT215	2 mm x 15 mm
AGT315	3 mm x 15 mm
AGT415	4 mm x 15 mm

references

1. Nihsen ES, Johnson CE, Hiles MC. Bioactivity of small intestinal submucosa and oxidized regenerated cellulose/collagen. *Adv Skin Wound Care.* 2008;21(10):479-486.
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3. Ko YG, Park JH, Lee JB, Growth behavior of endothelial cells according to electrospun poly (D,L-Lactic-Co-Glycolic Acid) fiber diameter as a tissue engineering scaffold. *Tissue Eng Regen Med.* 2016;13(4):343-351.
4. Ducic I, Safa B, DeVinney E. Refinements of nerve repair with connector-assisted coaptation. *Microsurgery.* 2017;37(3):256-263.
5. Postlethwait RW, Willigan DA, Ulin AW. Human tissue reaction to sutures. *Ann Surg.* 1975;181(2):144-50.
6. Kokkalis ZT, Pu C, Small GA, Weiser RW, Venouziou AI, Sotereanos DG. Assessment of processed porcine extracellular matrix as a protective barrier in a rabbit nerve wrap model. *J Reconstr Microsurg.* 2011;27(1):19-28.

indications and trademark disclaimers

Avance Nerve Graft

REGULATORY CLASSIFICATION: Avance Nerve Graft is a human tissue for transplantation. Avance Nerve Graft is processed and distributed in accordance with U.S. FDA requirements for human cellular and tissue-based products (HCT/P) under 21 CFR Part 1271 regulations, U.S. State regulations and the guidelines of the American Association of Tissue Banks (AATB). Additionally, international regulations are followed as appropriate.
This graft is to be dispensed only by or on the order of a licensed physician.
INDICATIONS FOR USE: Avance Nerve Graft is a processed nerve allograft (human) intended for the surgical repair of peripheral nerve discontinuities to support regeneration across the defect.
CONTRAINDICATIONS: Avance Nerve Graft is contraindicated for use in any patient in whom soft tissue implants are contraindicated. This includes any pathology that would limit the blood supply and compromise healing or evidence of a current infection.

Axoguard Nerve Connector

INDICATIONS FOR USE: Axoguard Nerve Connector is indicated for the repair of peripheral nerve discontinuities where gap closure can be achieved by flexion of the extremity. The device is supplied sterile and is intended for one-time use.
CONTRAINDICATIONS: This device is derived from porcine source and should not be used for patients with known sensitivity to porcine material.

Axoguard Nerve Protector

INDICATIONS FOR USE: Axoguard Nerve Protector is indicated for the repair of peripheral nerve injuries where there is no gap. The device is supplied sterile and is intended for one-time use.
CONTRAINDICATIONS: This device is derived from porcine source and should not be used for patients with known sensitivity to porcine material.

Axoguard Nerve Cap

INDICATIONS FOR USE: Axoguard Nerve Cap is indicated to protect a peripheral nerve end and to separate the nerve from surrounding environment to reduce the development of symptomatic or painful neuroma.
CONTRAINDICATIONS: This device is derived from porcine source and should not be used for patients with known sensitivity to porcine material. Axoguard Nerve Cap is contraindicated for use in any patient in whom soft tissue implants are contraindicated. This includes any pathology that would limit the blood supply and compromise healing or evidence of a current infection.
Axoguard Nerve Cap should not be implanted directly under the skin.
NOTE: This device is not intended for use in vascular applications.

Disclaimer: Not all products are available internationally.

visit our website for more information

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revolutionizing the science of nerve repair™

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