



Neovasc Pericardial Tissue Supply & Services

Features	Available Options
Tissue	Glutaraldehyde cross linked pericardium
Species and BSE Risk Mitigation	<ul style="list-style-type: none"> • Bovine GBR1 (Australian and New Zealand origin) • Bovine GBR3 (US origin) • Equine (Canadian origin) • Porcine (Canadian origin)
Animal Age (Bovine only)	<ul style="list-style-type: none"> • Less than 30 months • Less than 24 months • Less than 18 months
Tissue Fixation Options	<ul style="list-style-type: none"> • Standard proprietary glutaraldehyde fixation • Custom fixation • Proprietary remodelable fixation
Tissue Formation	<ul style="list-style-type: none"> • Static – non-tension fixation • Loaded – force loaded fixation • Geometric – molded 3D form fixation
Dimensions	<ul style="list-style-type: none"> • Maximum size no greater than 10cm x 16cm • Standard cut sizes in cm (4x4, 4x6, 6x8, 8x14, 10x16) • Custom cut sizes • Valve leaflet or other 2D geometries
Thickness and Uniformity	<p>Typical available thickness ranges are as follow:</p> <ul style="list-style-type: none"> ○ Ultrathin Bovine 0.20 – 0.30 mm (0.008” – 0.012”) ○ Standard Bovine 0.40 – 0.75 mm (0.016” – 0.030”) ○ Equine 0.20 – 0.50 mm (0.008” – 0.020”) ○ Porcine 0.10 – 0.32 mm (0.004” – 0.013”) <p>Note: Ability to meet thickness and uniformity specifications is highly dependent on sheet size and natural characteristics of pericardial sac. Neovasc will work closely with customers to define suitable supply specifications which meet their needs and fall within the typical limitations of the raw material source.</p>



Features	Available Options
Visual Specification	<ul style="list-style-type: none"> • Minimum processing – large adhesions removed • Standard processing – large fibers removed, suitable for surgical repair applications • Additional processing – all fibers removed, suitable for intravascular applications
Packaging	<ul style="list-style-type: none"> • Supplied non-sterile in solution (sealed container) • Supplied non-sterile in peel-pouch (moist) • Supplied sterile in solution (sealed container) • Supplied sterile in peel-pouch (moist)
Shipping	<ul style="list-style-type: none"> • Temperature controlled shipper • Environmental monitoring during shipment
Additional Processes	<ul style="list-style-type: none"> • Mineralization mitigation treatment limits the potential for tissue calcification in-vivo
Traceability	<ul style="list-style-type: none"> • Traceable to tissue lot #, abattoir, feedlot and kill date • Traceable to the individual animal
Additional Services	<ul style="list-style-type: none"> • Design services • Cleanroom (ISO 10000, 1000, 100) • Device manufacturing and tissue assembly • QC Inspection • Verification and validation testing • Animal lab/studies • Cadaver lab/studies • Packaging and labeling • Liquid sterilization • Regulatory Affairs support • Quality System support

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