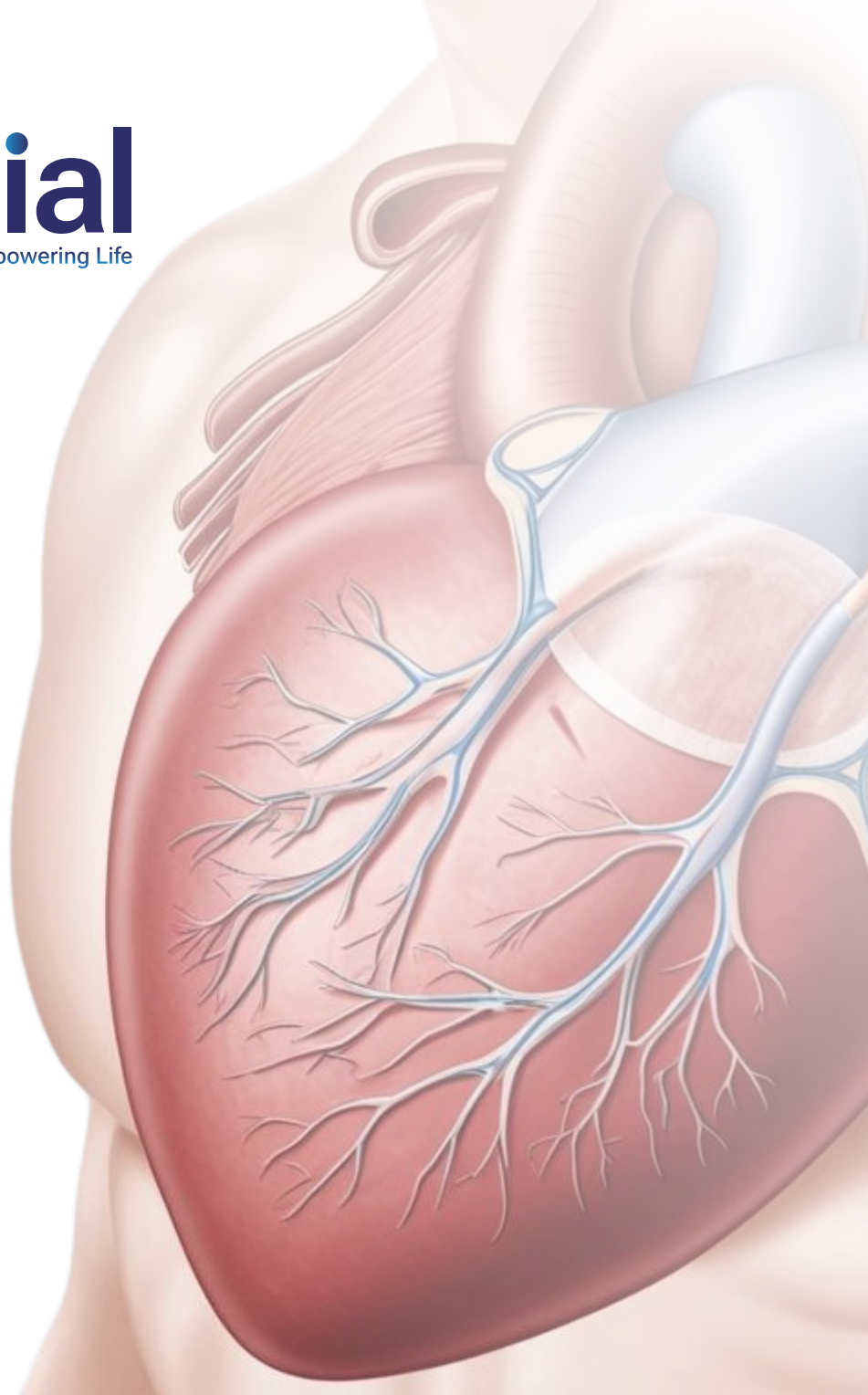




Matrix Patch™ Equine
**Decellularized
Pericardial Patch**

MATRIX PATCH™ EQUINE DECELLULARIZED PERICARDIAL PATCH



A glutaraldehyde-free, equine pericardial patch developed specifically for cardiovascular surgical applications using advanced decellularization technology.



The product retains its natural collagen and elastin matrix, minimizing immunogenic response and ensuring long-term tissue compatibility.



It is the only biological patch material certified for pediatric cardiac surgery, with over 18,000 successful clinical applications in international markets.



Technical & Structural Features

Completely free from glutaraldehyde-based fixation processes, eliminating cytotoxicity risk and preventing calcification even in long-term clinical follow-up.

Decellularization via the DOA method ensures complete removal of RNA residues and minimizes DNA remnants, delivering excellent biocompatibility.

Maintains structural integrity under physiological stress, supporting high tensile strength and enhancing surgical reliability.

Absence of cellular residues reduces inflammatory response and promotes faster, smoother tissue healing.

Thin and flexible structure (0.17–0.38 mm) allows for rapid and easy adaptation to delicate surgical areas.

Homogeneous tissue thickness allows for smooth needle passage with minimal needle bleeding, preserving tissue integrity.

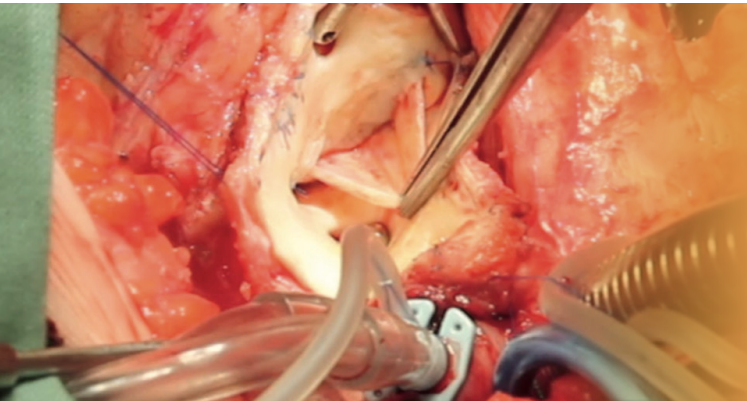
Ready for implantation after a simple 1-minute rinse with saline, accelerating the surgical workflow.

Its high elasticity and preserved natural matrix structure ensure safe use in interventional procedures such as dilatation.

Free of metal or ferromagnetic components, ensuring full compatibility with MRI.

Available in various sizes to accommodate a wide range of surgical indications.

SOME CLINICAL INDICATIONS



Matrix Patch™ Equine, can be safely used by surgeons in both congenital and acquired heart defects.



Atrial and Ventricular Septal Defect (ASD/VSD) Repairs



Pulmonary Artery Augmentation and Repair



Transannular Patch applications



Cardiac Valve Reconstructions



Arterial and Venous Augmentation / Repairs



Complex Neonatal and Pediatric Cardiac Surgeries

Quality & Storage Conditions

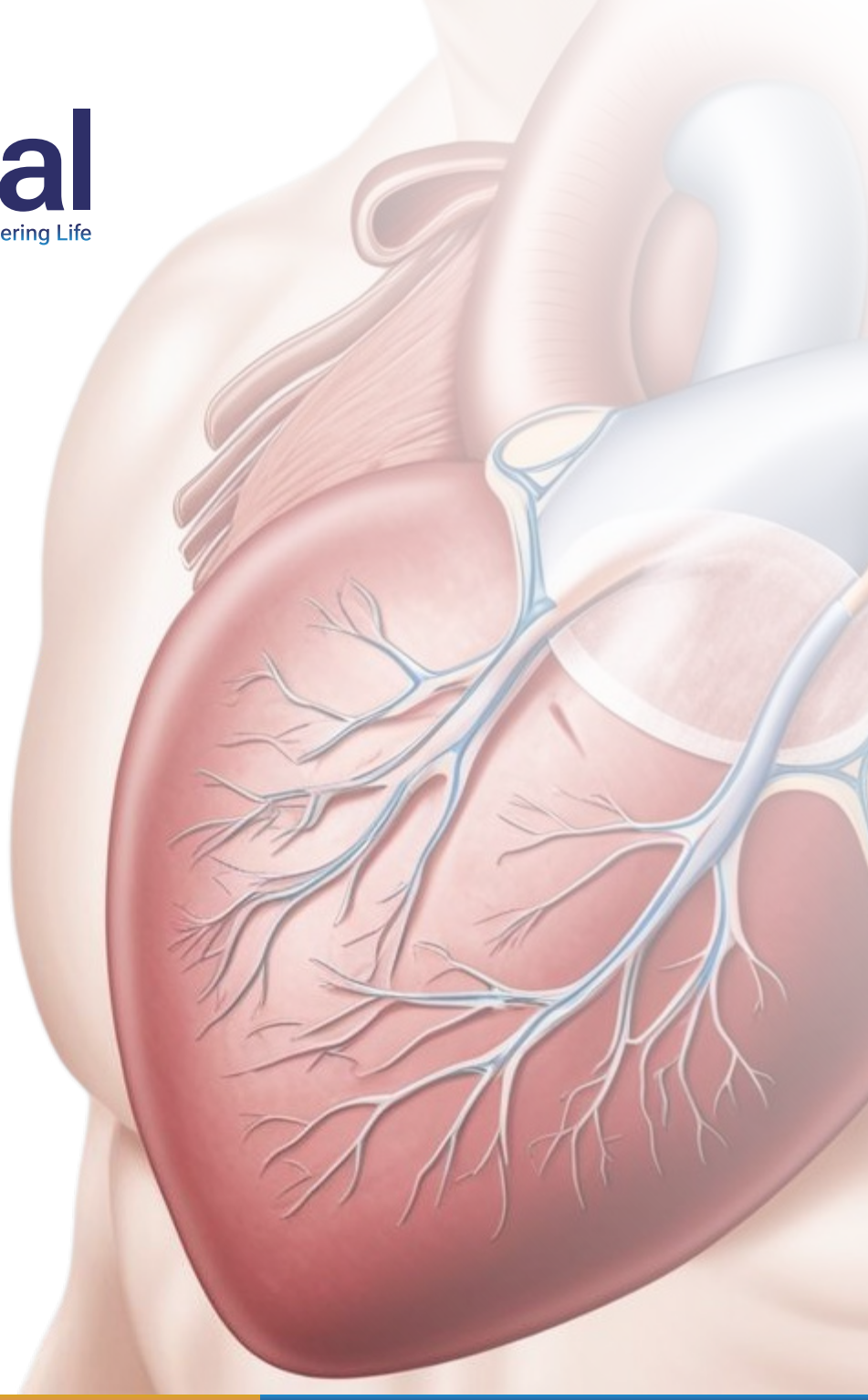
- Sterilized by liquid chemical treatment in compliance with **ISO 14160** standards.
- Shelf life is **18 months** from the date of manufacture.
- Must be stored at **4–8°C** (refrigerated conditions); do not freeze.
- Supplied in a **glass jar** containing **antibiotic solution**.
- Each unit is equipped with a **FreezeWatch™ sensor** to monitor temperature during



Product Code	Size	Product Details
42 505 306 043 39	3X3 CM	Matrix Patch Decellularized Pericardial Patch
42 505 306 040 56	5X5 CM	Matrix Patch Decellularized Pericardial Patch
42 505 306 048 41	8X4 CM	Matrix Patch Decellularized Pericardial Patch
42 505 306 041 55	10X5 CM	Matrix Patch Decellularized Pericardial Patch



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