

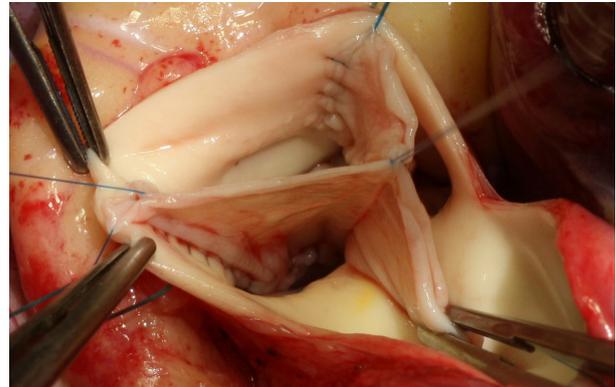
Matrix Patch^{CE}₀₁₉₇

equine pericardial patch

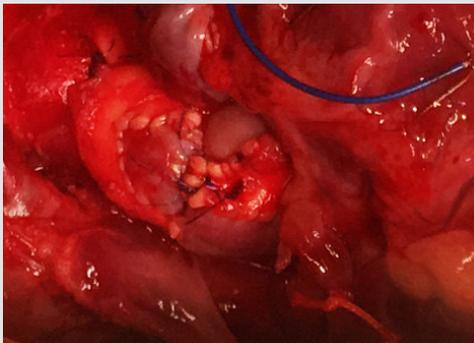
autotissue 
leading in cardiovascular tissue engineering

The equine Matrix Patch™ is a cell-free pericardial patch for use in cardiac surgery. Compared to native or conventional pericardial patches treated with glutaraldehyde, the patch shows similar tear strength but is considerably more flexible and features lower tendency for bleeding from stitch channels.

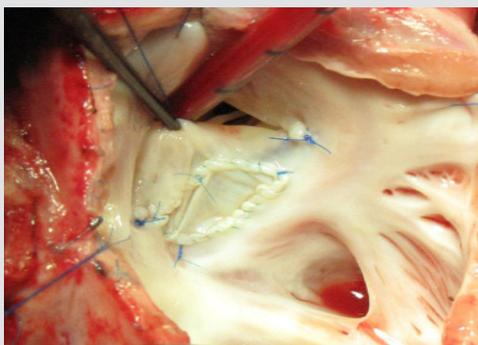
The equine Matrix Patch™ is manufactured using a unique technology without the use of glutaraldehyde, in which the accumulation of calcium and fat in tissue is reliably prevented.



Aortic valve reconstruction in a patient with congenital aortic valve stenosis.
Courtesy of MU Dr Matej Nosál'
BC Children's Heart Centre, Bratislava, Slovakia



Plastic enlargement of the ascending aorta and pulmonary artery surgery in a patient with Williams-Beuren Syndrome.
Courtesy of Prof. Dr Mikhail Abramyan
Research Centre for Obstetrics, Gynecology and Perinatology, Moscow, Russia



Tricuspid valve reconstruction.
Courtesy of Prof. Dr Robert Cesjnevár
Paediatric Cardiac Surgery at the
Erlangen University Hospital

Pericardium has been used in heart surgery for more than 40 years. The primary advantages of decellularised equine pericardium include outstanding mechanical properties, biocompatibility and the absence of transferable diseases. Moreover, no calcification or shrinkage has been observed over the years.

To date, the equine Matrix Patch™ has been successfully used in more than 5500 surgeries in Europe, Turkey and Russia. It is delivered sterile in antibiotic solution and can be stored refrigerated at 4-8°C for up to 18 months. Thus, it is ready for use at any time without lengthy preparation and can be used immediately after one minute rinsing in physiological saline to remove the antibiotic solution.

Every equine Matrix Patch™ is inspected by trained specialists in the quality assurance department. Validated testing monitors and ensures biocompatibility, absence of cells and sterility of the product.

The equine Matrix Patch™ is 0.17 to 0.37 mm thick and comes in the following sizes:

10 x 10 cm, 10 x 5 cm, 10 x 2 cm, 8 x 8 cm, 8 x 4 cm, 8 x 2 cm, 8 x 1 cm, 6 x 1 cm, 5 x 5 cm and 3 x 3 cm.

TÜV Rheinland LGA Products GmbH certifies the approval of the equine Matrix Patch™ in all available sizes. Auto Tissue Berlin GmbH is also a certified manufacturer in accordance with EN ISO 13485.

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EN ISO
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Sizes Matrix Patch™

