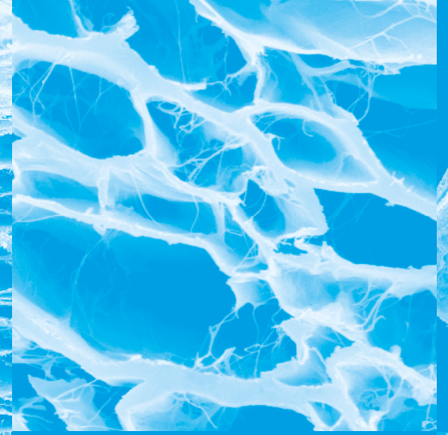
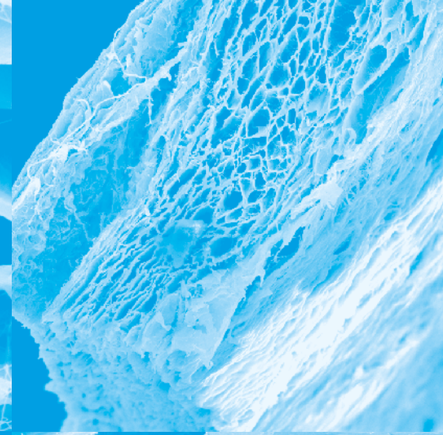
# INSIDE

## Jason® membrane





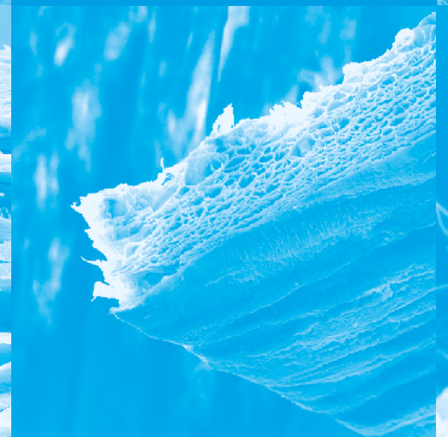
**Origin:** porcine pericardium

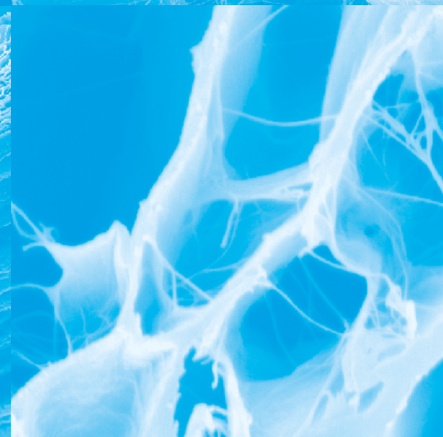
**Composition:** collagen type I and III

**Size:** 15x20 mm / 20x30 mm / 30x40 mm

**Thickness:** 0.05-0.35 mm

**Features:** Excellent tear resistance & naturally long barrier function





# Jason® membrane

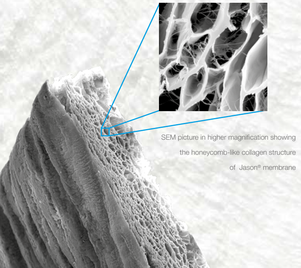
## Successful GBR is a matter of the heart

Jason® membrane is a native collagen membrane from porcine pericardium with a naturally long barrier function. The unique structure and advantageous biomechanical properties of the pericardium are preserved during the manufacturing process, being the basis for the remarkable tear resistance and excellent surface adaptation of Jason® membrane.

**CE certification of Jason® membrane in 2009**

**Dr. Reto Morger:**
Due to its unique structure the Jason® membrane presents an easy clinical handling as well as a high degree of predictability and sustainability for my patients and has gained my trust over the years.

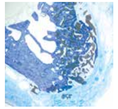
**Dr. Hassan Maghaireh:**
Jason® membrane is easy to handle and user friendly. Its unique and natural biological structure is what we need for a predictable, high quality and successful guided bone regeneration. It also helps to know that this membrane has been in the market for about nine years with great clinical results.



SEM picture in higher magnification showing the honeycomb-like collagen structure of Jason® membrane

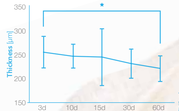
## Remarkable tear resistance

The unique collagen structure and composition of the pericardium account for the excellent tear resistance of Jason® membrane, allowing easy fixation of the membrane with pins or sutures.



## Naturally long barrier function

Animal study: Slow degradation of Jason® membrane due to naturally cross-linked collagen fibers. Clear separation of bone and soft tissue and remnants of the membrane visible 8-12 weeks after implantation in a dog model.[1]




The slow degradation and prolonged barrier function of Jason® membrane have been shown in a mouse model (diagram adapted from Barbeck et al. 2014).[2]

## Easy handling

Can be used dry or wet and does not stick together or on instruments upon hydration.

**> 15**
running studies
with Jason® membrane

**Dr. Önder Solakoglu:**
Jason® membrane shows excellent handling properties and supports bone regeneration extremely good even in larger augmentations. With its natural long barrier function, the Jason® membrane is the membrane of choice in my daily practice.

**> 80**
scientific & clinical publications
**on Jason® membrane**
**(04/2018)**

## Very thin membrane

0.05-0.35 mm

### Properties

- Naturally long barrier function
- Multi-directional strength and tear resistance
- No stickiness after hydration
- Excellent surface adaptation
- Easy handling, can be applied dry or wet
- Low thickness, no swelling after hydration

No swelling upon hydration and excellent surface adaptation. The low thickness facilitates soft tissue manipulation, particularly in challenging thin biotypes.

**> 20 botiss Webinars**
on the clinical application of Jason® membrane

Daniel Rothamel
Marius Steigmann
Stavros Pelekanos
Hassan Maghaireh
Peer Kämmerer
and many more…

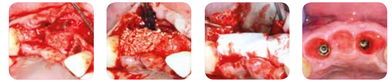
# Clinical Application

**21 clinical cases**
with Jason® membrane
on INDICATION-MATRIX.COM

## Indications

- Fenestration and dehiscence defects
- Alveolar ridge augmentation and reconstruction
- Intraosseous defects (1- to 3-walls)
- Furcation defects (class I and II)
- Sinus lift
- Socket and ridge preservation
- Covering and protection of the Schneiderian membrane

**GBR for the treatment of a dehiscence defect**
Dr. S. Stavar, Netherlands



Well shaped emergence profile after ten months

**Sinus lift with two-stage implantation**
Prof. Dr. Dr. D. Rothamel, University of Düsseldorf, Germany

Re-entry at six months with stable insertion of implants

**Augmentation of an atrophic ridge**
Dr. R. Morger, Eschenbach, Switzerland

2 years follow-up

**GET IN TOUCH**
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1.Rothamel 2012. Biocompatibility and Biodegradation of a Native, Porcine Pericardium Membrane. Results from in vitro/in vivo Examination. Int J Oral Maxillofac Implants 2012, 27(1):146-54.
2.Barbeck et al. 2014. Porcine dermis and pericardium-based, non-cross-linked materials induce multinucleated giant cells after their in vivo implantation: A physiological reaction? J Oral Implantol. 2015; 41(6):e267-81.

# Jason® membrane

## native pericardium membrane

## for GBR/GTR

bone & tissue regeneration

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