



The reliable partner for your team

TachoSil® collagen matrix with human fibrinogen and thrombin.1



Can reduce air and fluid leakages

- Reduction of air and fluid leakage⁴
- Can be applied when wet or dry¹
- No increase in volume
- The collagen matrix consists of
- 5–8 honeycomb layers

Tests to demonstrate air and liquid-tight seal**

Electron Microscope Image

The scanning electron microscope image shows the honeycomb structure of the collagen base matrix and the adhesive layer of fibrinogen and thrombin.



Mag = 100 X EHT = 20.00 kV

Active side

Base matrix

Hemostasis and sealing

- Ready-to-use fixed combination
- Hemostasis regardless of
- coagulation status^{2,3}
- Interacts with all physiological fluids
- The fibrin network binds the collager matrix firmly to the wound surface^{1,}



² Haas S. Clin Appl Thromb Hemostat 2006; 12(4): 445–450. ³Maisano F et al. European Journal of Cardio-thoracic Surgery 2009; 36: 708–714.
⁴ Colombo G et al. Vascular Health and Risk Management 2014 10: 569–576. * After pressing onto the wound surface for 3–5 minutes.
** An air and liquid-tight seal with TachoSil® can be demonstrated using simple tests on a water bottle and balloon.







Collagen matrix Fibrin network

Wound surface

Unique collagen structure

Application:

The time it is pressed in place is decisive. After 3-5 minutes of pressing it on, a stable fibrin network is formed.1



Characteristics of a foamed equine collagen base matrix:

- Physiologically compatible base substance, tested in animal experiments²
- Low risk of zoonosis or infection³, e.g. BSE



Elastic and flexible^{4,*}

The honeycomb structure of the collagen matrix ensures high elasticity.

- Up to 2.5 times more elastic when moistened than when dry⁴
- When moistened, adapts to organ movements
- Easy to shape even to irregular surfaces



Adheres firmly and reliably^{4, *}

- Withstands pressure of 61.4 hPa (approx. 46 mmHg, A cough reaches a pressure of up to 60 hPa.)⁴
- Adheres twice as firmly as a manually coated patch and 6 times more firmly than liquid adhesives⁴

The fibrin network is anchored in the honeycomb surface and binds the collagen matrix firmly to the wound surface.





¹ Summary of Product Characteristics TachoSil® sealant matrix, current status. ² Adelmann-Grill BC and Otto K. Drug Research 1987; 37(II) 7: 802—805. ³ Toro A et al. J Blood Med. 2011; 2: 31—36.



Compatible with tissue and absorbable^{1,*}



The collagen patch (here TachoComb[®] H) is completely coated with serosa containing dense connective tissue with blood vessels among the mesothelial cells. (Black tissue: appendix serosa, rabbit. In the histological presentation, patch residues are marked by $\blacktriangledown)$



Figures mod. from Schneider A et al.² in an animal experiment

TachoSil Party of the local division of the local div

Illustrated in original size



Safety. Essential and proven.

- TachoSil[®] has been approved by the EMA and the FDA as a medicinal product with proven efficacy and tolerability
- No bovine components
- Complies with the requirements for medicinal product specification and safety

TachoSil. Efficacy in hemostasis and sealing.

Ready-to-use fixed combination of collagen matrix and active coagulation factors, used in adults:

- To improve hemostasis
- To promote tissue sealing
- To support sutures in vascular surgery
- To support sealing of the dura mater

Medicinal product, batch documentation required. Shelf life & storage: 3 years, do not store above 25 °C

- Summary of Product Characteristics TachoSil® sealant matrix, current status. ² Schneider A et al. Digestive Disease and Sciences 2006; 51(3): 566–570. * In animal experiments, TachoSil® is biodegraded after application to a wound surface with little residue after 13 weeks. [...] No evidence of local intolerance was observed in animal experiments.

A STRONG CONNECTION.

Order contact corzamedical@arvato-scs.com

Corza Medical GmbH Speditionstraße 21, 40221 Düsseldorf, Germany

MedInfo Contact Phone: +44 8081686908 (free of charge) E-Mail: medinfo@corza.com

www.corza.com

TACHOSIL® SEALANT MATRIX (human fibrinogen, human thrombin) PRESCRIBING INFORMATION Refer to Summary of Product Characteristics (SmPC) before prescribing. Presentation: An off-white sealant matrix coated with human fibrinogen 5.5mg and human thrombin 2.0U per cm2. The active side of the matrix is marked by a yellow colour. Supplied, ready to use, in sterile packaging, Indication: In adults for supportive treatment in surgery for improvement of hoemostasis, to promote tissue sealing, for suture surgery. Here patient: Application of TachoSill must be esticated to experienced surgeons. The quantity of sealant matrices to be used is governed by the size of wound area, and the underlying clinical need for the patient. Application of TachoSill must be surgery, use of the smaller size and motival and sourgery to the smaller size and the wound area, and the underlying clinical need for the patient. Application of TachoSill must be surgery, used of the smaller size and the wound area, and the underlying clinical need to the smaller size and the wound area should be cleansed, guinteca should be cleansed, guinteca should be cleansed, guinteca should be cleansed, and instermoval of the perilesional uses and the wound strate is applied to the bleeding/leaking surface and her fulds. The per-lealed TachoSill® can be used for both open surgery and in minimally invasive surgery, and if 3- minitues. This procedure enables an easy adhesion of TachoSill® to the wound strate. Pressure for 3-5 minitues. This procedure enables and easy adhesion of TachoSill® to the wound strates. Pressure is applied with motistened glowes or anoist pad. Due to the strate grinting clinical instruments or glowes covered with blood; cleansing them before application helps avoid this. After pressing the matrix tha avoid be applied with motistened by a surgery. In advision glowed and the applied surgery and in minimally invasive surgery, and in minimally invasive surgery, and in a surgery of the matrix in a yoles of the matrix is applied to the bleeding/



