TERUMO
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BROCHURE

AQUABRID™ Surgical Sealant

Strong and elastic, ideal for wet conditions.

For more information, visit
terumoaortic.com/aquabrid

Developed for Wet Conditions

AQUABRID™ is a fully synthetic surgical sealant for aortic surgical procedures.

In contact with water AQUABRID™ forms an elastic layer within 3 to 5 minutes – making it optimal for use on wet conditions. [1, 2] AQUABRID™ stretches and shrinks with contraction of the vessel, while maintaining a strong seal in the aorta. [1, 2]

AQUABRID™ has been commercially available in Japan since 2014 under the name of HYDROFIT®.

Benefits of AQUABRID™

Reacts with water [1, 2]
Optimal use for wet surfaces, regardless of heparinisation conditions

Strong [1, 2]
Maintains bond/seal in the high pressure environment of the aorta

Elastic [1, 2]
Stretches and shrinks with the vessel contractions

Ready to use [3]
No manual mixing or preparation required

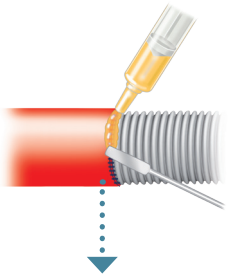
100% synthetic [2, 3]
No biological origin or risk of infection

Application of AQUABRID™

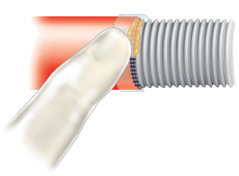
Only a thin layer of AQUABRID™ is required. The sealant is cured after 3-5 mins [1, 2]

Direct Method

Apply AQUABRID™ directly from the syringe to the bleeding spot

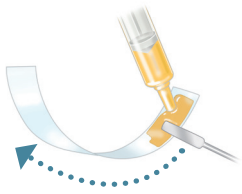


Place or wrap the silicone sheet around the vessel (if needed)

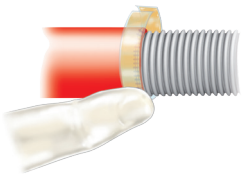


Transfer Method

Spread AQUABRID™ onto the included silicone sheet for areas hard to reach



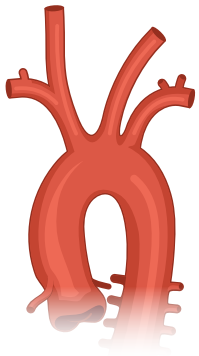
Place or wrap the silicone sheet on the bleeding spot



1. Eto M et al. (2007) Elastomeric Surgical Sealant for hemostasis of cardiovascular anastomosis under full heparinization European Journal of Cardio-Thoracic Surgery. November; 32(5): pp730–734.
2. Oda S et al. (2010) Experimental use of an elastomeric surgical sealant for arterial hemostasis and its response. Interactive Cardiovascular and Thoracic Surgery. February; 10(2): pp258-261.

Ideal to Support Aortic Anastomosis

Due to it's hydrophilic properties AQUABRID™ can be applied to the aortic anastomosis immediately as an adjunct that stretches and shrinks with the vessel contractions, creating a strong seal. [1,2]

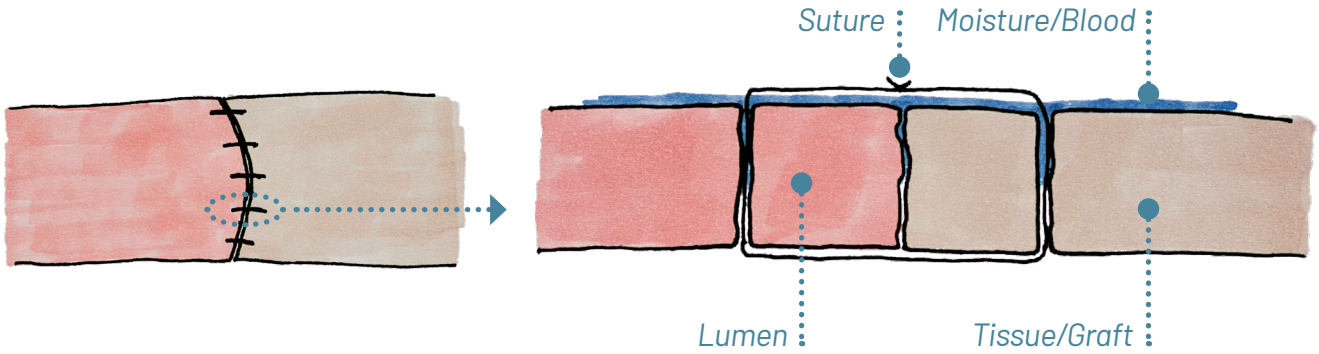


COMPARED WITH A CONTROL GROUP, AQUABRID™ USE RESULTED IN:

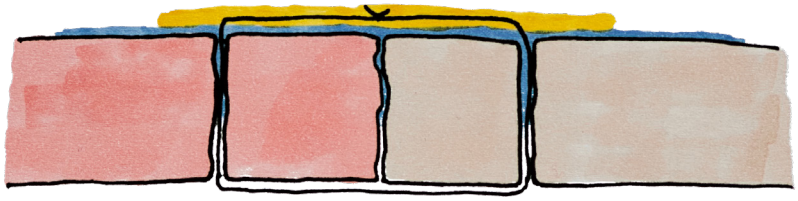
- Reduction in the operating time associated with bleeding control [4]
- Reduction in the number of blood transfusions [4]

How does AQUABRID™ work?

AQUABRID™ can be applied to natural and/or artificial tissue (e.g. aortic graft). The surgical site does not need to be dry, AQUABRID™ requires blood/moisture for reaction.

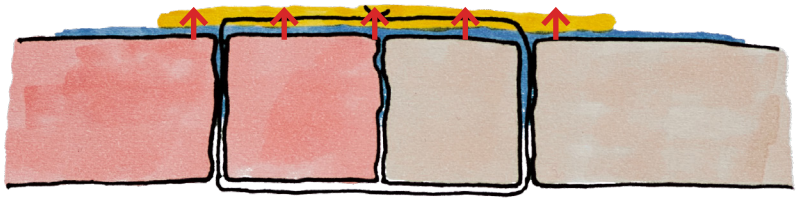


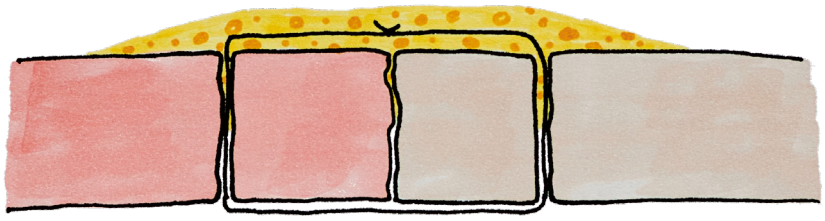
AQUABRID™



A thin layer of AQUABRID™ (liquid) is applied to seal the suture holes.

AQUABRID™ absorbs the moisture/ blood and doubles it´s regional volume.





AQUABRID™ forms an elastic film after polymerisation with CO_2 release.

This curing process takes 3-5 mins. [1,2]

3. Per IFU
4. Matsuoka T et al. (2022) A surgical sealant, AQUABRID decreased the volume of intraoperative blood transfusions and operative time for acute aortic dissection repair. Journal of Cardiac Surgery. December; 37(12): pp5073-5080.

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TERUMO AORTIC

Visit our website for more information on use, indications, contraindications, warnings/precautions and availability within your market.

Designed & Manufactured by: Sanyo Chemical Industries, LTD. 11-1, Ikkyo Nomoto-cho, Higashiyama-ku, Kyoto 605-0995, Japan

Distributed by: Vascutek Ltd, Newmains Avenue, Inchinnan, Renfrewshire PA4 9RR, United Kingdom

Product availability subject to local regulatory approval.

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