

AQUABRID[®] Surgical Sealant

Strong and elastic

Ideal for wet conditions



 **TERUMO**

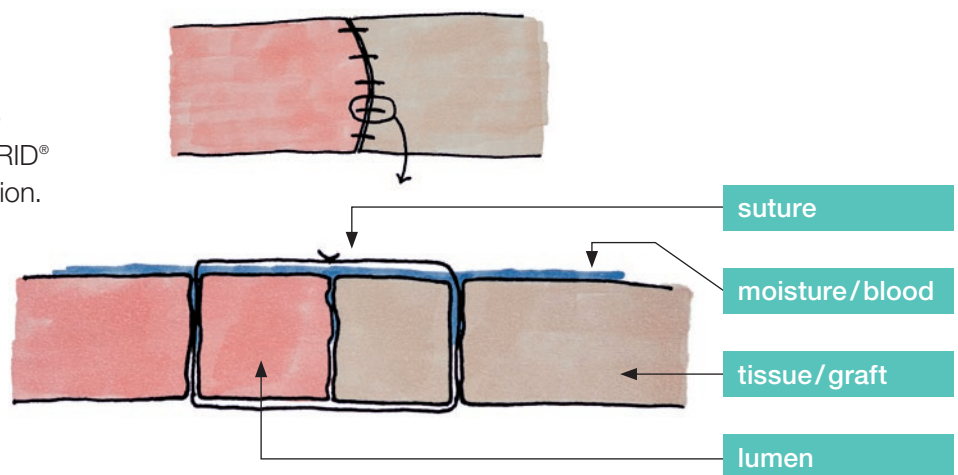
AQUABRID®

Developed for wet conditions

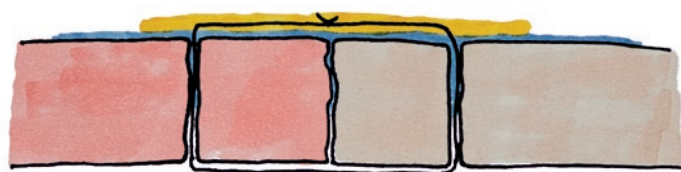
AQUABRID® is a fully synthetic surgical sealant for aortic surgical procedures. In contact with water AQUABRID® forms an elastic layer within 3 to 5 minutes – making it optimal for use on wet conditions. AQUABRID® stretches and shrinks with contraction of the vessel, while maintaining a strong seal in the aorta.^{1,2} AQUABRID® has been commercially available in Japan since 2014 under the name of HYDROFIT®.

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.

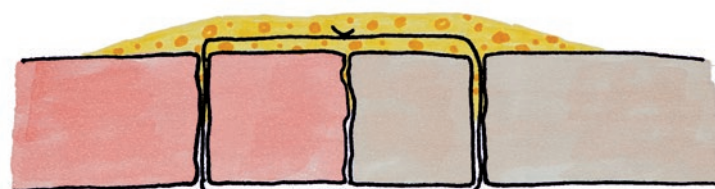
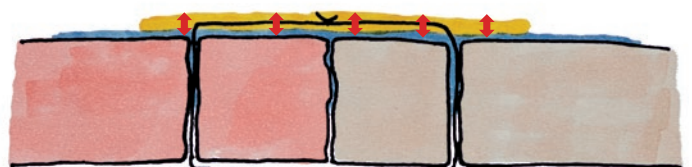


AQUABRID®



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

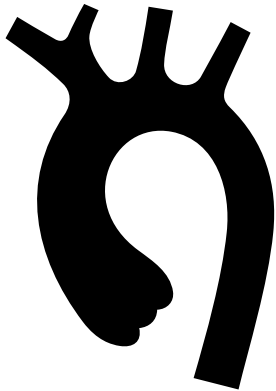
AQUABRID® absorbs the moisture/blood and doubles its regional volume.



AQUABRID® forms an elastic film after polymerization with CO₂ release.

Ideal to support Aortic anastomosis

Due to its hydrophilic properties AQUABRID® can be applied to the aortic anastomosis immediately. It stretches and shrinks with the vessel contractions while maintaining a strong seal.^{1,2}



Reduces time associated with bleeding control

High pressure Environment

Benefits of AQUABRID®



Reacts with water

– Optimal use for wet surfaces, regardless of heparinization conditions



Ready to use

– No manual mixing or preparation required



Elastic

– Stretches and shrinks with the vessel contractions



Strong

– Maintains bond/seal in the high pressure environment of the aorta



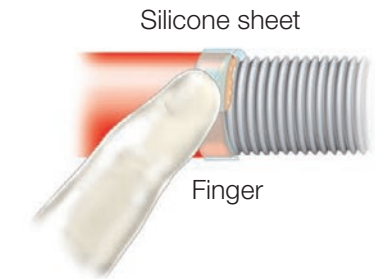
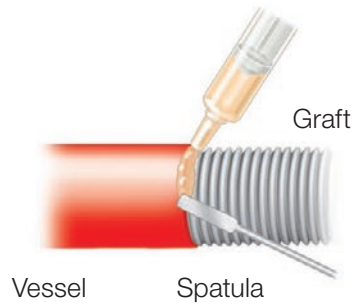
100 % synthetic

– No biological origin or risk of infection

Application of AQUABRID®

Direct method

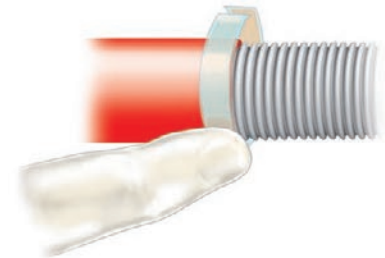
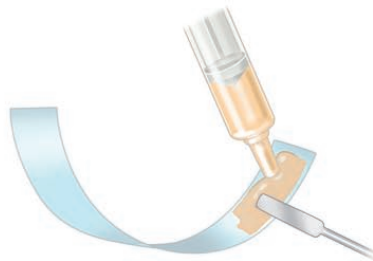
- apply AQUABRID® directly from the syringe to the bleeding spot



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

Only thin layer of AQUABRID® required

Ordering Information

| Catalog # | Description | Unit/Cases |
|-----------|--|------------|
| MAB2G-01 | AQUABRID® Surgical Sealant Includes: – Surgical sealant (Content 2g) – Silicone sheet (package of 2) – Spatula | 10 |

REFERENCES:

- Eto M et al. Elastomeric surgical sealant for hemostasis of cardiovascular anastomosis under full heparinization. *Europ. J. Cardio Surg.* 2007; 730-734.
- Oda S. et al. Experimental use of an elastomeric surgical sealant for arterial hemostasis and its long-term tissue response. *Interac. Cardio. and Thor. Surgery.* 2010; 258-261.



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