



Peri-Guard

Pericardium Patch

A Heritage of Healing

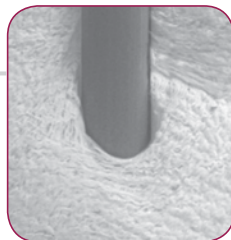
A Clinically Proven and Convenient Biologic Solution

PERI-GUARD Pericardial Patch is a well-established, off-the-shelf biologic solution that:

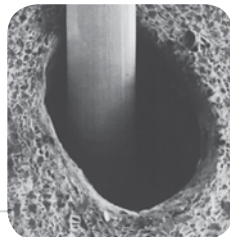
- Provides high levels of biocompatibility as demonstrated in vitro and in animal models¹
 - Low Glutaraldehyde levels under 4ppm^{1,2} (in vitro data)
 - Does not promote mineralization or calcification³⁻⁵
 - Supports endothelialization as demonstrated in animal studies⁶⁻⁸
- Resists suture line bleeding^{3,9-11}
- Is easy to handle and suture, similar to autologous tissue^{3,9,10}
- Allows short, equivalent prep time regardless of tissue size²

PERI-GUARD

Excellent reapproximation around suture³



expanded
Polytetrafluorethylene
(ePTFE)



PERI-GUARD Surgical Applications

- Pericardial Closure
- Thoracic Wall Defect Repair
- Annulus Repair
- Septal Defect



A Track Record that Speaks for Itself

As part of the Baxter TISSUE-GUARD Family of Products, SUPPLE PERI-GUARD and PERI-GUARD have over 256,000* patches sold and are backed by a 30 year clinical history,^{11,13,15} which has shown:

- No infection, rupture or dilation reported in a nine year follow-up study³
- Good long term patency rates and minimal to no thrombosis or pseudoaneurysm formation^{3,6,7,14}
- Low adverse event rate³

*Data as of June 30, 2013.



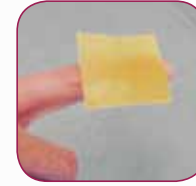
Peri-Guard

Pericardium Patch

The Choice is Yours

- PERI-GUARD for those procedures needing a flat, more rigid tissue patch application
- SUPPLE PERI-GUARD when a more compliant, flexible patch is of benefit

Your local sales rep can help you determine the best tissue patch configuration for your procedural needs.



PERI-GUARD



SUPPLE PERI-GUARD

Available in a Variety of Sizes

- PERI-GUARD is easily trimmed to desired shape and size

Product Code	Product Size
PC0404N	4 cm x 4 cm
PC0608N	6 cm x 8 cm
PC0814N	8 cm x 14 cm
PC1016N	10 cm x 16 cm
PC1225N	12 cm x 25 cm

Indications For Use:

PERI-GUARD is intended for use as a prosthesis for pericardial closure and soft tissue deficiencies which include: defects of the abdominal and thoracic wall, hernias (diaphragmatic, femoral, incisional, inguinal, lumbar, paracolostomy, scrotal and umbilical), and intracardiac and great vessel repair.

Contraindications:

PERI-GUARD is not designed, sold or intended for use except as indicated.


Adverse Reactions:

Failure to rinse the product may result in a sterile inflammatory reaction.

For safe and proper use of this device refer to the complete Instructions For Use.

References:

1. Data on File. Baxter Healthcare Corporation, V-0144R.
2. Data on File. Baxter Healthcare Corporation, DS-1011 and DS-1012.
3. Biasi GM, Sternjakob S, Mingazzini PM, Ferrari S. Nine-year experience of bovine pericardium patch angioplasty during carotid endarterectomy. *J Vasc Surg.* 2002;36:271-277.
4. Data on File. Baxter Healthcare Corporation, SI-0021 and SI-0021R.
5. David TE. The use of pericardium in acquired heart disease: a review article. *J Heart Valve Dis.* 1998;7(1):13-17.
6. Data on File, 2003. Baxter Healthcare Corporation, SI-0020 and SI-0020R.
7. Li X, Jadlowiec C, Guo Y, et al. Pericardial patch angioplasty heals via an ephrin-B2 and CD34 positive cell mediated mechanism. *PLoS One.* 2012;7(6):1-8.
8. Wiebe D, Megerman J, L'Italien GJ, Abbott WM. Glutaraldehyde release from vascular prostheses of biologic origin. *Surgery.* 1988;104(1):26-33.
9. Marien BJ, Raffetto JD, Seidman CS, LaMorte WW, Menzoian JO. Bovine pericardium vs dacron for patch angioplasty after carotid endarterectomy. *Arch Surg.* 2002;137:785-788.
10. Li X, Guo Y, Ziegler K, et al. Current usage and future directions for the bovine pericardial patch. *Ann Vasc Surg.* 2011;25(4):561-568.
11. Papakostas JC et al. Use of the Vasco-Guard Bovine Pericardium Patch for Arteriotomy Closure in Carotid Endarterectomy. Early and Long-Term Results. *Ann Vasc. Surg.* 2014; 28:1213-1218.
12. PERI-GUARD Instructions for Use. MS-0720129, 11/12.
13. Data on file. Baxter Healthcare Corporation, TGCS2013.
14. Grimsley BR, Wells JK, Peral GJ, et al. Bovine pericardial patch angioplasty in carotid endarterectomy. *Am Surg.* 2001;67(9):890-5.
15. C. Bali et al. A comparative study of stutured versus bovine pericardium mesh abdominal closure after open abdominal aortic aneurysm repair. *Hernia.* DOI 10.1007/s10029-014-1262-4.

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