



# CardioGRAFT®

## Aortic Valve

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**Clinical Overview** CardioGraft Aortic Valve is a human aortic valve cryopreserved for aortic valve replacement.

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- Applications**
- Aortic valve replacement
  - Infective endocarditis
  - Congenital heart defect
  - Aortic stenosis
  - Incompetent valve
  - Rheumatic heart disease
  - Replacement of a failed or infected prosthetic valve
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- Features & Benefits**
- **Human Tissue:** Closely resembles autograft; compliant, flexible, easy to handle and suture. Effective orifice area closely approximates the native valve.
  - **Resistant to Infection:** Natural ability to resist infection.<sup>1,2,3</sup>
  - **Convenient:** Availability in various sizes to best fit the patient's anatomy. Anterior mitral leaflet retained for use in endocarditis/abscess reconstruction.
  - **Reduced Thrombosis Potential:** Alleviates the need for anticoagulation therapy.<sup>3,4</sup>
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## CardioGraft Aortic Valve

Cryopreserved Storage (-120°C and Below), 7 Year Shelf Life

Description	Diameter	Order Code
Small	less than or equal to 16 mm	HVA-S
Medium	17 to 21 mm	HVA-M
Large	greater than or equal to 22 mm	HVA-L

**Fragile.** Store at liquid nitrogen (LN<sub>2</sub>) vapor phase temperature (-120°C and below) and carefully follow the thaw and dilution instructions.

Instructions for use available at [LifeNetHealth.org/IFU](https://www.lifenethealth.org/IFU)

### References

1. Kirklin et al. Aortic Valve Endocarditis with Aortic Root Abscess Cavity: Surgical Treatment with Aortic Valve Homograft. *Ann Thorac Surg* 45:674-677, June 1988.
2. Tuna et al. Results of Homograft Aortic Valve Replacement for Active Endocarditis. *Ann Thorac Surg* 1990; 49: 619-24.
3. Hopkins et al. *Cardiac Reconstructions with Allograft Tissues*. Springer 2005.
4. Petterson, Coselli, et al. 2016 The American Association for Thoracic Surgery (AATS) consensus guidelines: Surgical treatment of infective endocarditis. *Journal of Thoracic and Cardiovascular Surgery*, 2017; 153: 1241-1258.

