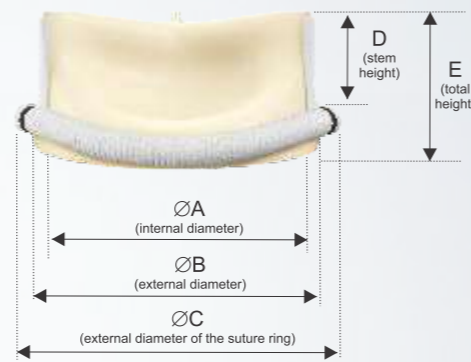


AORTIC

Size	Measures (mm)					Code
	ØA (±0,5)	ØB (±0,5)	ØC (±1,0)	D (±0,5)	E (±0,5)	
19	14	19	23	06	10	610651
21	16	21	25	07	11	610652
23	18	23	27	08	12	610653
25	20	25	29	09	13	610654
27	22	27	31	10	14	610656
29	24	29	33	11	15	610658



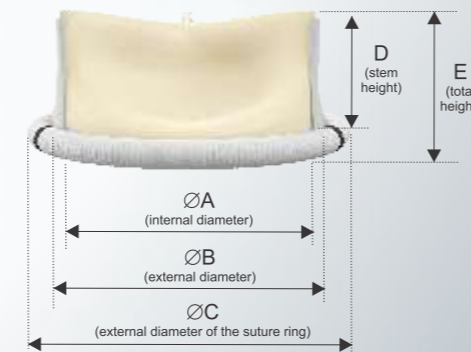
VIVERE

Vivere Bovine Pericardium
Biological Valvular Prosthesis



MITRAL

Size	Measures (mm)					Code
	ØA (±0,5)	ØB (±0,5)	ØC (±1,0)	D (±0,5)	E (±0,5)	
25	20	25	29	10	13	610655
27	22	27	31	11	14	610657
29	24	29	33	12	15	610659
31	26	31	35	13	16	610660
33	28	33	37	13	16	610661
35	30	35	39	14	17	610662



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 - ▶ Interface between the ring and leaflets less susceptible to wear, reducing the probability of structural failure
 - ▶ Valvular surface with greater hemocompatibility
- ▶ Leaflets made from a single piece of bovine pericardium:
- ▶ Low rate of calcification in experimental animal models.
- ▶ Formaldehyde storage
- ▶ **Anti-calcification treatment** by the exclusive **REALOG process**



AORTIC

MITRAL



Effective Orifice Area

Results for EOA (Effective Orifice Area) of Vivere Bioprosthesis.

Effective Orifice Area (EOA)*			
Aortic		Mitral	
Diameter	Results (cm ²)	Diameter	Results (cm ²)
19 mm	1.71 ± 0.01	25 mm	2.17 ± 0.01
21 mm	2.02 ± 0.01	27 mm	2.36 ± 0.01
23 mm	2.32 ± 0.01	29 mm	2.85 ± 0.01
25 mm	2.50 ± 0.01	31 mm	3.35 ± 0.01
27 mm	2.74 ± 0.01	33 mm	3.62 ± 0.01
29 mm	2.96 ± 0.01	35 mm	3.95 ± 0.01

* In Vitro Pulsatile Hydrodynamic Performance measurements carried out according to parameters and procedures defined in ISO 5840-2:2021 (beat rate of 70 bpm, cardiac output of 5.0 ± 0.2 l/min and MAP of 100 ± 10 mmHg).

Pressure Gradient

Results for ΔP (Pressure Gradient) of Vivere Bioprosthesis.

Pressure Gradient (ΔP)*			
Aortic		Mitral	
Diameter	Results (mmHg)	Diameter	Results (mmHg)
19 mm	17.05 ± 7.09	25 mm	3.80 ± 1.47
21 mm	12.33 ± 5.68	27 mm	2.89 ± 1.07
23 mm	10.48 ± 4.23	29 mm	2.61 ± 0.57
25 mm	9.52 ± 1.64	31 mm	1.86 ± 0.55
27 mm	8.42 ± 0.65	33 mm	1.75 ± 0.36
29 mm	7.58 ± 1.02	35 mm	1.47 ± 0.30

* In Vitro Pulsatile Hydrodynamic Performance measurements carried out according to parameters and procedures defined in ISO 5840-2:2021 (beat rate of 70 bpm, cardiac output of 2.0 to 7.0 ± 0.2 l/min and MAP of 100 ± 10 mmHg).

REALOG Process

The process adds a treatment with glutamic acid (Glu), followed by oxidation, resulting in the blocking of free aldehyde groups and in the reduction of cross-links of polymer glutaraldehyde, which reduces the post-implant calcification index.

