



TLPB

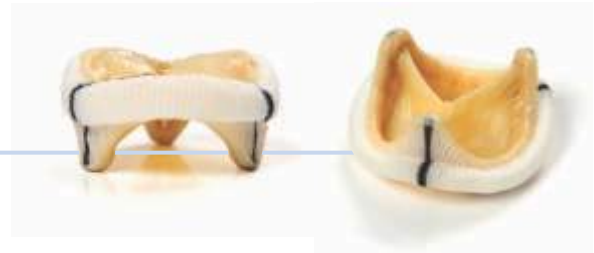
STENTED PORCINE HEART VALVE

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TLPB

STENTED PORCINE HEART VALVE

The TLPB Stented Porcine Valve from Labcor Laboratórios is a porcine valve that preserves the natural crimp in a tri-composite, low profile design. A zero pressure process combined with experienced engineering and manufacturing (since 1984) makes the TLPB valve an ideal replacement for the patient's native valve (over 60.000 implants).^{1,2}



TRUE TRI-COMPOSITE CONSTRUCTION

- Excellent hemodynamic result from larger blood flow area and elimination of muscle shelf³;
- Optimal coaptation and excellent leaflet symmetry is achieved by carefully selecting three separated leaflets;
- Labcor tissue treatment process combines techniques for tissue lipid reduction.

Porcine Pericardial Bias

- Provides tissue-to-tissue interface with leaflets;
- Minimizes the possibility of abrasion when the leaflets are in open position.



Zero Pressure Fixation

- Preserves the natural collagen crimp;
- Produces more resilient, elastic and durable valve.



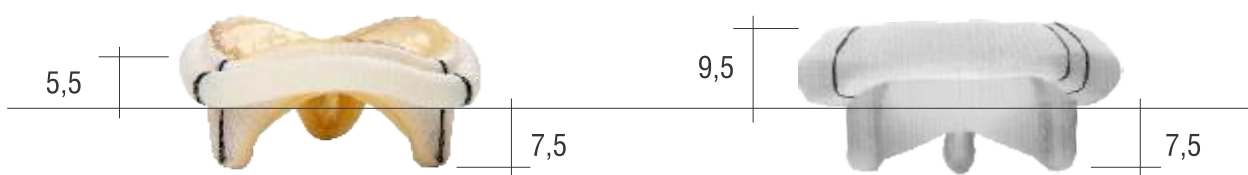
Leaflets exhibit a relaxed "open" state following zero pressure fixation.



Each valve is pressure and hydrodynamic tested to ensure optimal leaflet coaptation and function. (Heart Valve Function Test - Vivitro System).

Atrial and Ventricular Projection Mitral Size 27

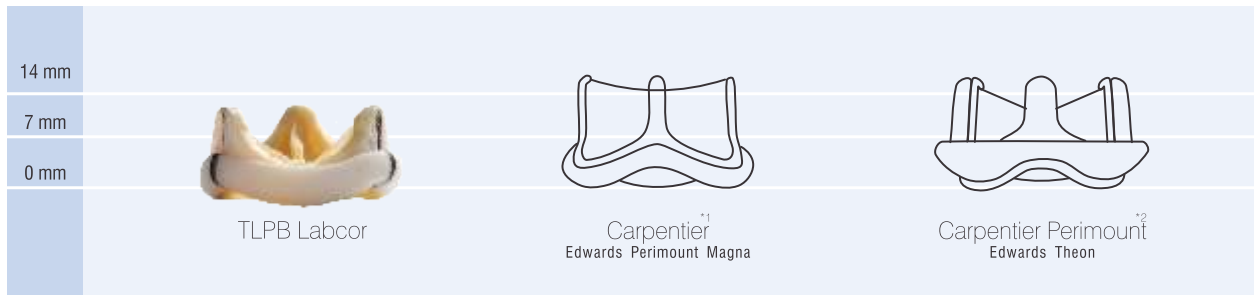
	TLPB Labcor	Carpentier Magna ⁴
Total Profile Height	13	17
Ventricular projection anterior	7.5	7.5
Atrial projection	5.5	9.5



Low profile allows insertion through small incisions or in small ventricles.

Profile Height Comparison

Aortic Size 21



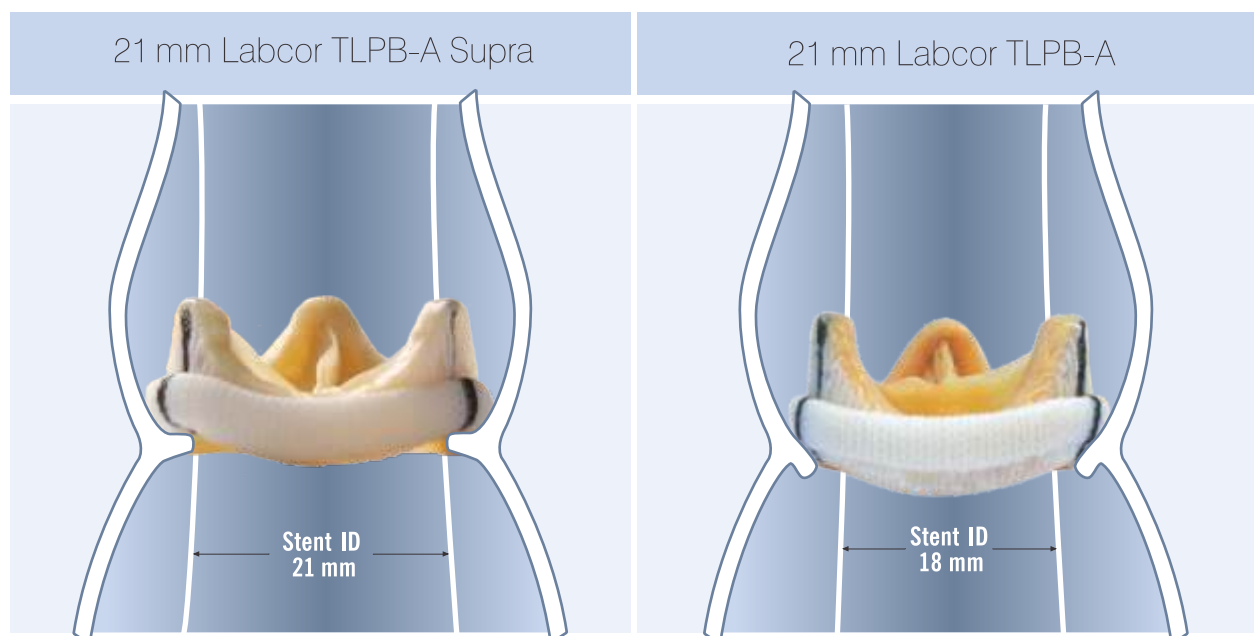
*1 Model 3000 TFX and 3000

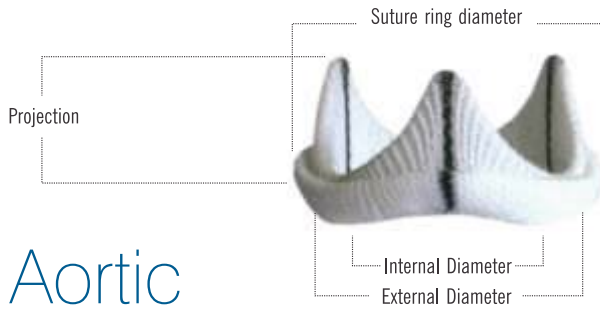
*2 Model 2800 TFX

Valve Size	19 mm	21 mm	23 mm	25 mm	27 mm
TLPB Supra Labcor	12	12	14	15	16
Carpentier – Edwards Perimount Magna ⁵	14	15	16	17	18
Carpentier – Edwards Perimount Theon ⁶	14	15	16	17	18

TLPB A SUPRA

Labcor TLPB-A Supra valve is the TLPB-A Aortic valve model with the sewing ring positioned at the inflow level of the valve stent. The supra-annular allows an increase of at least one size over the intra-annular valve implant for improved performance.

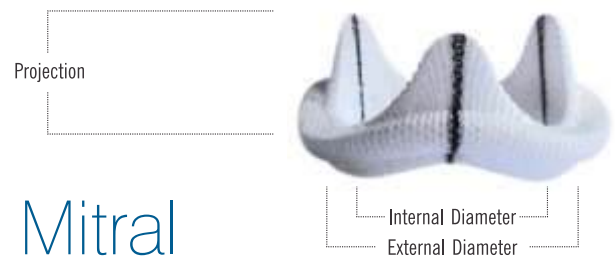




Aortic

Valve Size	19S	21S	23S	25S	27S
External Diameter (in millimeters)	21	23	25	27	29
Internal Diameter (in millimeters)	19	21	23	25	27
Projection (in millimeters)	11	11	13	14	16
EOA (cm ²)*	1.3	1.5	1.7	2.1	2.5
Suture Ring Diameter (in millimeters)	23	25	27	29	31

*Heart Valve Function Test - Vitro System - Aaslid Formula - CO - 4 L/min.



Mitral

Valve Size	25	27	29	31	33
External Diameter (in millimeters)	25	27	29	31	33
Internal Diameter (in millimeters)	22	24	26	28	30
Projection (in millimeters)	8	9	9	10	10
EOA (cm ²)*	1.7	2.1	2.5	2.9	3.6

*Heart Valve Function Test - Vitro System - Aaslid Formula - CO - 4 L/min.

Specifications

- Aortic models available in sizes 19 to 27 mm;
- Mitral models available in sizes 25 to 33 mm, corresponding to external diameters.

Accessories

Labcor Laboratórios provides valve sizers for accurate valve selection. Handles are also provided for attachment to the valve holder.

Cat. Part N°	Product Descriptions		
TLPB 19A Supra	Aortic	Model TLPB A Supra	Size 19
TLPB 21A Supra	Aortic	Model TLPB A Supra	Size 21
TLPB 23A Supra	Aortic	Model TLPB A Supra	Size 23
TLPB 25A Supra	Aortic	Model TLPB A Supra	Size 25
TLPB 27A Supra	Aortic	Model TLPB A Supra	Size 27
TLPB 25M	Mitral	Model TLPB M	Size 25
TLPB 27M	Mitral	Model TLPB M	Size 27
TLPB 29M	Mitral	Model TLPB M	Size 29
TLPB 31M	Mitral	Model TLPB M	Size 31
TLPB 33M	Mitral	Model TLPB M	Size 33
SSTS		Supra Valve Sizer Set	
SSTS-4891		Valve Sizer Set	
HST-4891		Valve Handle	

References

- Pavie, A.J. et al. Aortic valve replacement with the composite Labcor porcine bioprosthesis in the elderly. J. CARDIOVASCULAR SURGERY 2001;42:317 - 22.
- AMARAL, J.M. et al. Labcor porcine bioprosthesis - 8 year experience - coreuropaeum 1995; 4 (1): 17 - 21.
- CHAMBERS, J. et al. An Echocardiographic description of the Sulzer Carbomedics Synergy ST (Labcor) Porcine valve in the aortic position - J. Heart Valve Disease 2000;9:661 - 666.
- Carpentier-Edwards PERIMOUNT Magna Pericardial Bioprosthesis Model 7000/7000 TFX Nominal Specifications (mm) Brochure.
- Carpentier-Edwards PERIMOUNT Magna Pericardial Bioprosthesis Models 3000 and 3000 TFX Brochure.
- Carpentier-Edwards PERIMOUNT Theon Aortic Valve Brochure.



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