



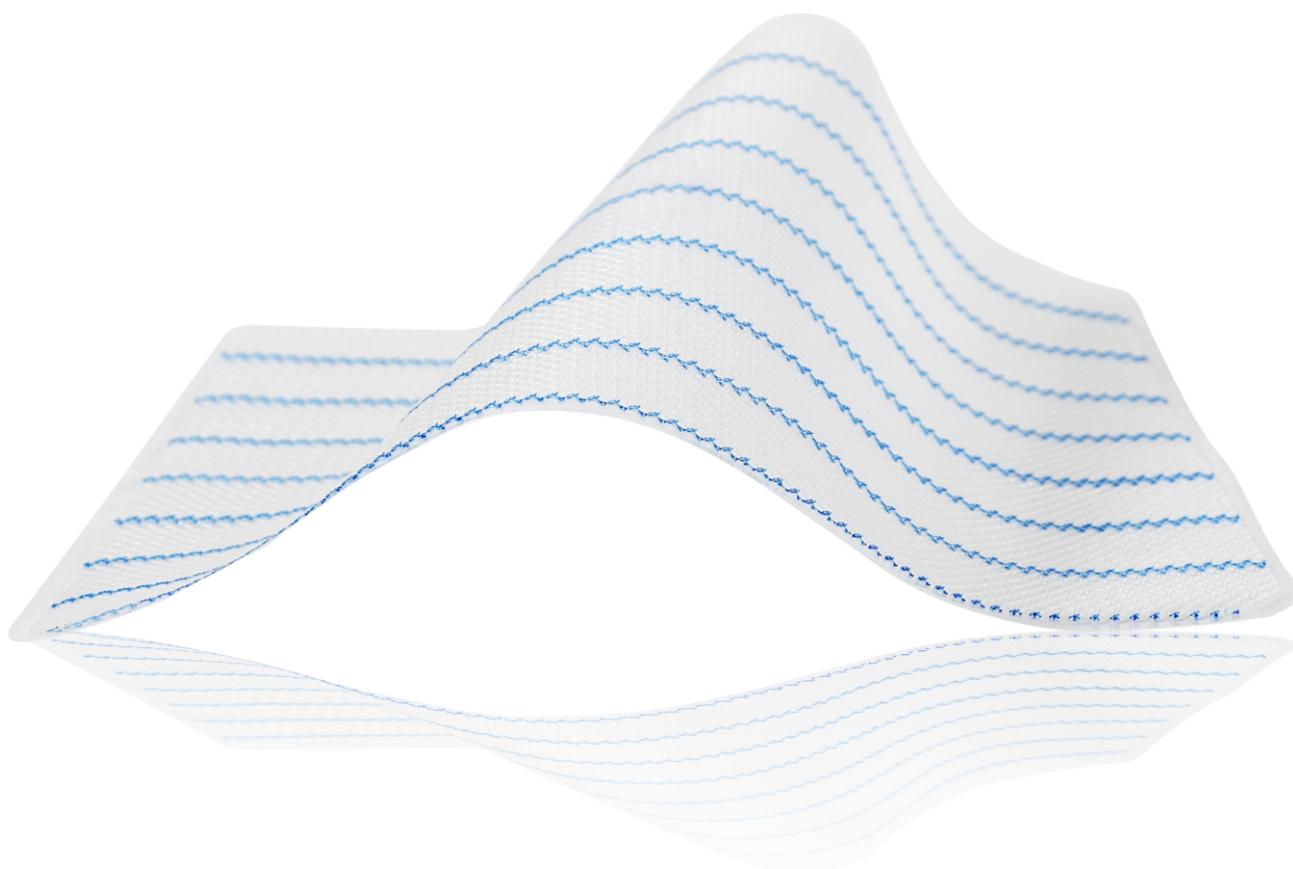
Meril

Endo-Surgery

MERINEUM™ MESH

Polypropylene/ Polylactide-Caprolactone Mesh

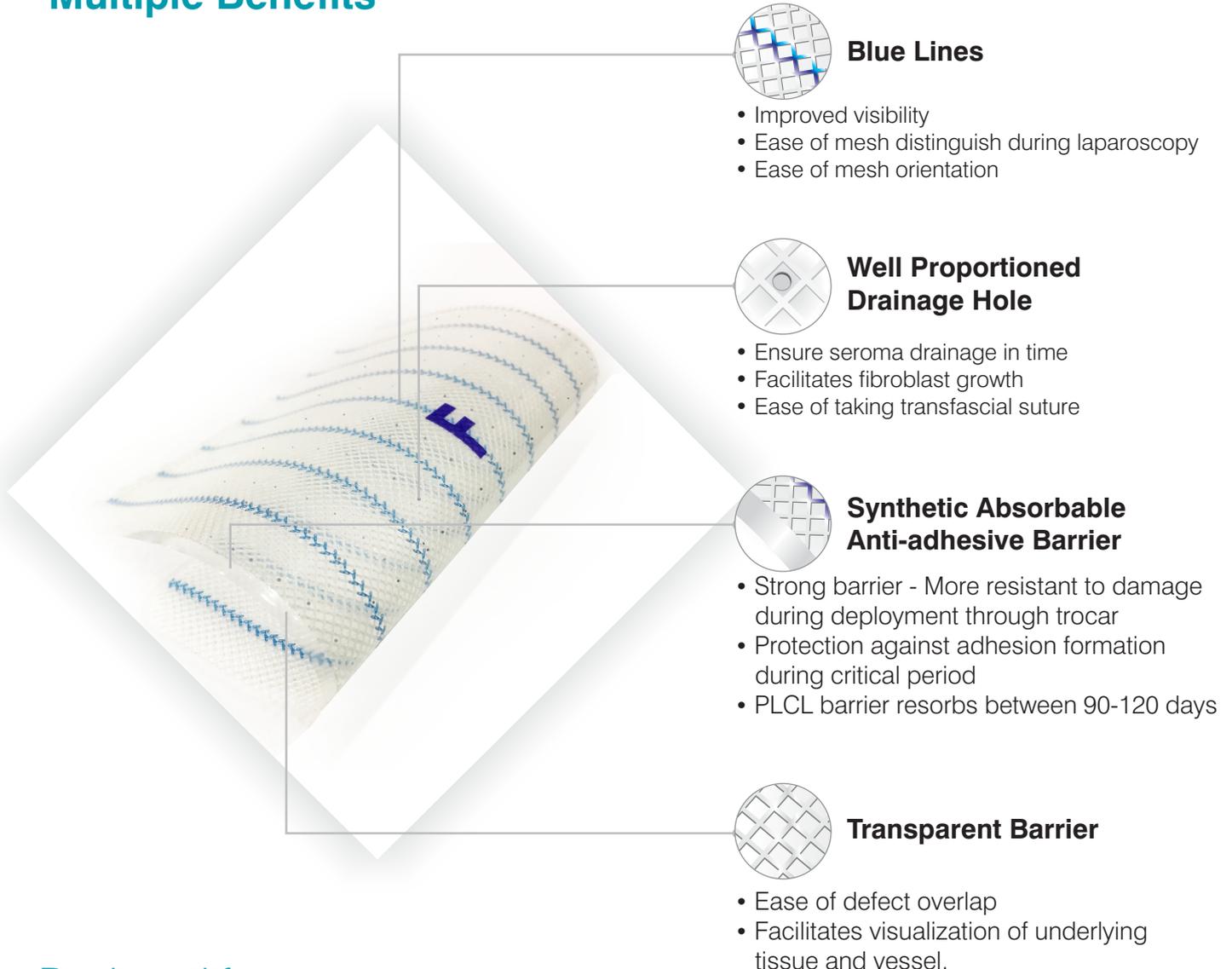
Tissue Separating Dual Layer Mesh for Ventral Hernia Repair



Superior Barrier
Maximum Protection



4 Unique Features Multiple Benefits



Designed for Superior Surgical Outcomes

◆ Polypropylene-The Most Reliable Choice

- 40 yrs of proven results in strong Hernia Repair
- Inert polymer for minimal risk of infection

◆ Improved Macro-porosity

- Faster tissue in-growth
- Minimize granuloma bridging
- Rapid abdominal wall integration

◆ The 'F' Factor

- Easy to identify visceral side
- Ease of mesh orientation from the centre

◆ Light Weight

- Superior handling and easy to use
- Flexibility – maximum patient comfort
- Minimal mesh shrinkage Vs heavy weight mesh



PLCL DEGRADATION STUDY

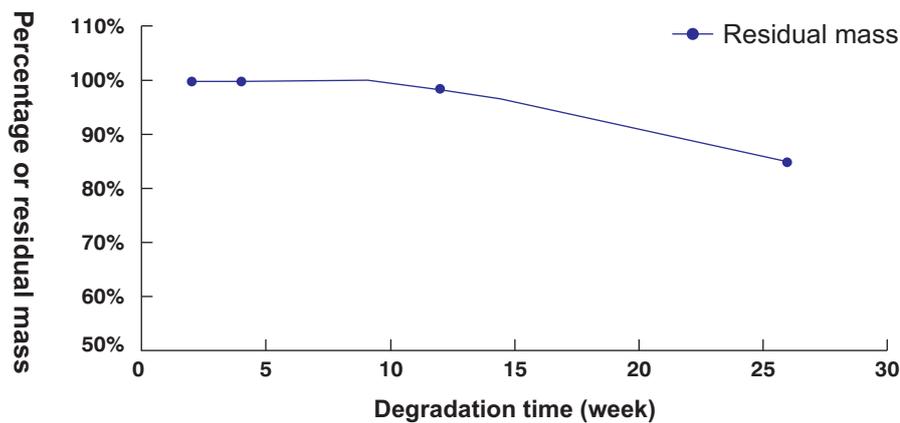
Swine Abdominal Cavity Implantation Study*

Objective of Study:

To estimate the complete absorption period for PLCL

Observations:

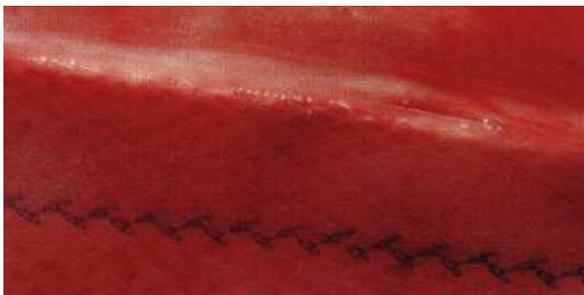
1. The surface and structure of PLCL film is complete and without obvious degradation pore in a week after implantation of composite mesh.
2. When implanted after a month, the PLCL film has been covered completely by the pseudo peritoneum, the film is still integrate but it became brittle and can be removed after stripping the tissue.
3. PLCL film was completely degraded after 3 months of implantation.



Testing result of mass loss after vivo degradation

Conclusion:

Merineum Mesh residual content is more than 98% when 12 weeks Post-Op.



Merineum 1st week Post OP



Merineum 1 month Post OP

*Data on File

Technical Specifications

Structure : Knitted

Chemical composition : Polypropylene/Poly lactide-caprolactone (PP/PLCL)

Pore Size : 1.8~2 mm

Weight : 185 gsm (Before Absorption of PLCL), 40 gsm (After Absorption of PLCL)

Thickness : 0.5-0.6 mm (Before Absorption of PLCL), 0.5 mm (After Absorption of PLCL)

Burst strength - Initial : 350 N

Burst strength - After PLCL absorption : 330 N

Type of absorption : Partially absorbable

Sterilization : Gamma Radiation

Comprehensive Portfolio To Meet Every Surgical Need

Product Code	Shape	Description
TSM715RE		PP+PLCL (7.6cm*15cm rectangular)
TSM1015OV		PP+PLCL (10cm*15cm oval)
TSM1515SQ		PP+PLCL (15cm*15cm square)
TSM1520RE		PP+PLCL (15cm*20cm rectangular)
TSM1520OV		PP+PLCL (15cm*20cm oval)
TSM2025OV		PP+PLCL (20cm*25cm oval)

Broad Range of Mesh Fixation Devices



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