

ABSOMESH™

Polyglecaprone 25 / Polypropylene

Meril

Endo-Surgery

For Better Patient Comfort



MHRS
Meril Hernia Repair Solutions

Advantages of Absomesh™

- Decrease in foreign material by 60% post partial absorption
- Minimal chances of infection
- Less strain after implantation

- Better Mobility
- Better Safety Profile

- Better Patient Comfort

Features

- Partially Absorbable Mesh (Polyglecaprone 25/ Polypropylene)

- Macroporous Structure

- Rounded Edges

- Knitting Pattern

- Colour Strips

Benefits

- Polyglecaprone 25 material is subsequently absorbed after implantation of the mesh, thereby reducing the foreign material in the body
- Non-absorbable polypropylene material continues to provide required support to the defect area

- Better tissue ingrowth
- Flexible scar formation

- Better patient comfort

- Secure interlocking of filaments for better elasticity and firmness

- Accurate positioning of the mesh

Can be cut into any shape and size without unraveling and does not leave mesh particles

Indications

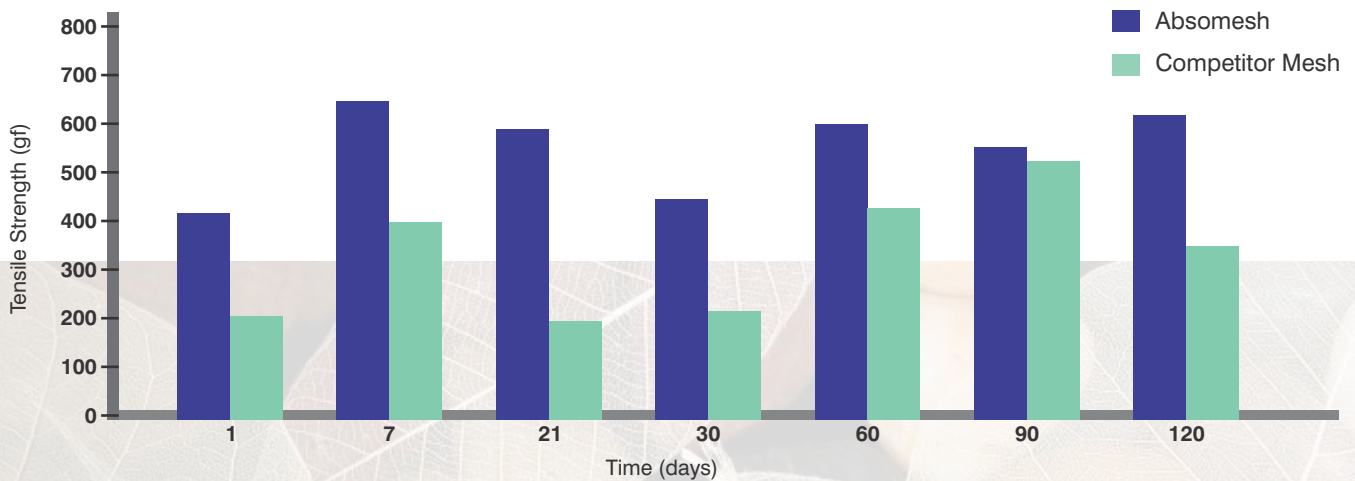
- Inguinal Hernia: Open & Laparoscopic Repair
- Ventral Hernia: Open Repair

Implantation Study of Absomesh™ in Rats

Objective of the Study:

To ascertain tensile strength and examine the tissue reaction of Absomesh™ in abdominal wall defect of male rats in comparison to that of the Competitor Mesh.

Tensile Strength Evaluation



Average tensile strength of mesh zone for Absomesh™ and Competitor Mesh (n=5 for each time point)

Conclusion:

- To ensure an adequate fascia closure, minimal tensile strength of the mesh needs to be 16 Ncm^{-1}
- Absomesh™ maintained the tensile strength of the mesh zone above 16 Ncm^{-1} , with fairly constant tensile strength during the whole observation period
- Competitor Mesh did not suffice its tensile strength of over 16 Ncm^{-1} at 1, 7, 60 and 90 post implantation days

Tissue Reaction Evaluation

Absomesh™:



Competitor Mesh:



Macroscopic Observation after 120 days

Conclusion:

- During the study period of 120 days, the parameters of complication (including seroma, hematoma, local wound inflammation, protrusion and death) in both Absomesh™ and Competitor mesh were not significantly different

ABSOMESH™



Technical Specifications

Parameters	Value
• Thickness (μm)	0.5
• Pore Size (mm)	2.0 - 2.0
• Burst strength (N/cm ²) - initial	313.8
• Burst strength (N/cm ²) - after Polyglycaprone 25 absorption	215.7
• Polypropylene content (gsm)	≥ 30

*Data on File

Ordering Information

Code	Size in cm	Quantity per box
PCM611	6 x 11	1
PCM715	7.6 x 15	1
PCM1015	10 x 15	1
PCM1515	15 x 15	1
PCM3030	30 x 30	1

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