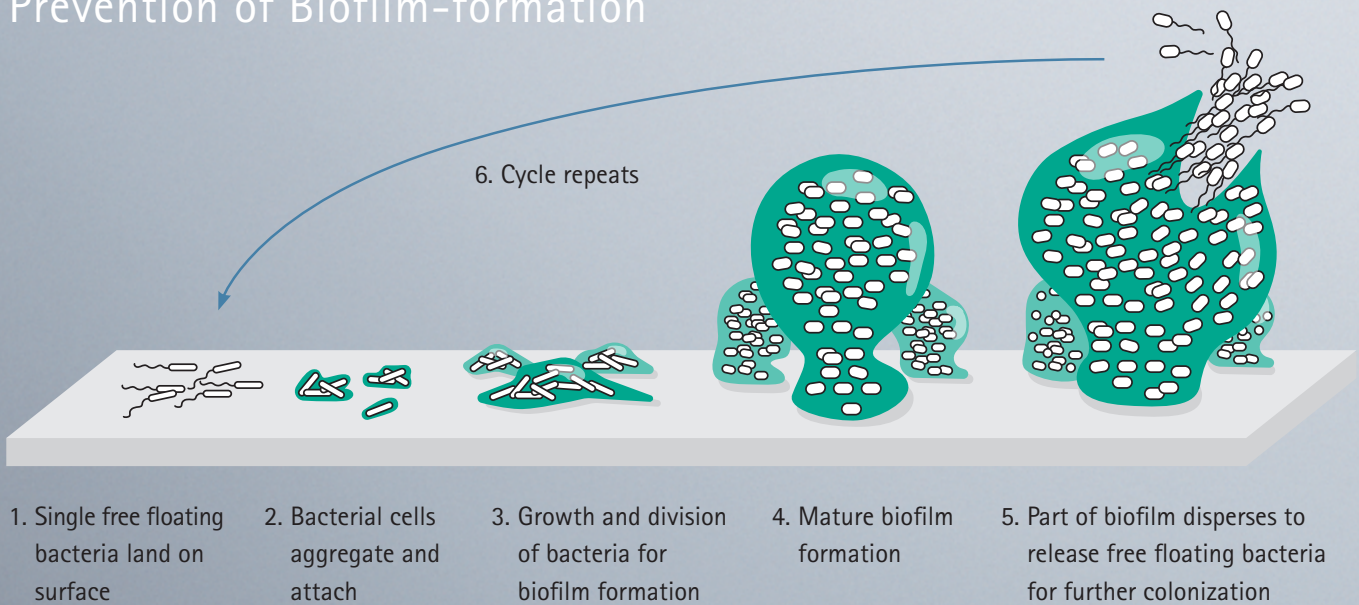


Optilene[®] Silver Mesh Range

First polypropylene meshes with embedded silver ions, designed to prevent material contamination in hernia repair procedures

Antimicrobial Action of Silver

Effect on Meshes: Prevention of Biofilm-formation



Picture shown for illustration purpose only

Incorporation of particles containing **SILVER** to polypropylene meshes

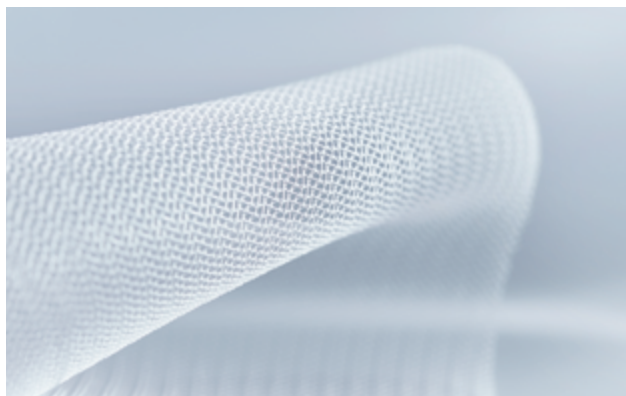


To help to **REDUCE** the risk of **MICROBIAL COLONIZATION** and **BIOFILM FORMATION** on the surface of the mesh.

- The antimicrobial properties of silver ions within Optilene® Silver Mesh LP and Optilene® Silver Mesh Elastic are intended to help to reduce the risk of microbial colonization and biofilm formation on the surface of the mesh.⁵
- "In vitro" tests have demonstrated that Optilene® Silver Mesh LP and Optilene® Silver Mesh Elastic show antimicrobial activity against various organisms, including *Escherichia coli* and Methicillin resistant *Staphylococcus aureus* (MRSA).⁵

Optilene® Silver Mesh Range

Optilene® Silver Mesh LP & Optilene® Silver Mesh Elastic



Optilene® Silver Mesh LP

Material: Polypropylene (PP) with max. 125 ppm of Ag⁺
Tensile Strength (Ø): Lon: ≥ 40 N/cm, Trans: ≥ 20 N/cm
Weight: 36 g/m²
Pore size (Ø): 1 mm



Indications

of the Optilene® Silver mesh range

Indications Optilene® Silver Mesh LP

Re-inforcement material in connective tissue weakness for:

- Inguinal hernia repair
- Primary ventral hernia repair
- Incisional hernia repair

Indications Optilene® Silver Mesh Elastic

Re-inforcement material in connective tissue weakness for:

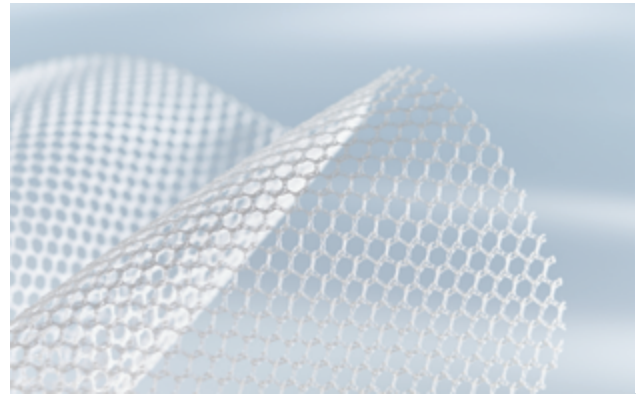
- Inguinal hernia repair
- Primary ventral hernia repair
- Incisional hernia repair
- Prevention of incisional hernia used as a prophylactic mesh in high-risk patients according to the professional criteria (such as but not limited to: age, nutrition, body mass index, comorbidities, etc.)

Ordering Information Optilene® Silver Mesh LP

Dimension	Art. No.	Units / Box	Shape
Hole/Tails 4.5 x 10 cm	1265360UNI	1 pc.	
	1265360	5 pc.	
Hole/Tails 6 x 14 cm	1265340UNI	1 pc.	
	1265340	5 pc.	
5 x 10 cm	1265350UNI	1 pc.	
	1265350	5 pc.	
7.5 x 15 cm	1265330UNI	1 pc.	
	1265330	5 pc.	
10 x 15 cm	1265320UNI	1 pc.	
	1265320	5 pc.	
15 x 15 cm	1265310UNI	1 pc.	
	1265310	5 pc.	

Product Features of the Optilene® Silver mesh range

- For open and laparoscopic procedures¹
- Light-weighted mesh²⁻³
- Adapts to the longitudinal and latitudinal motion of the patient⁴
- The antimicrobial properties help to reduce the risk of microbial colonization and biofilm formation on the surface of the mesh⁵
- Decrease bacterial adherence with releasing silver ions⁵
- MRI scans safe⁶
- Prophylactic use reduces the risk of incisional hernias in patients treated with Optilene® Silver Mesh Elastic⁷





Optilene® Silver Mesh Elastic

Material:	Polypropylene (PP) with max. 125 ppm of Ag ⁺
Tensile Strength (Ø):	Lon: ≥ 25 N/cm, Trans: ≥ 25 N/cm
Weight:	48 g/m ²
Pore size (Ø):	3.2 mm



Ordering Information Optilene® Silver Mesh Elastic

Dimension	Art. No.	Units/Box	Shape	
7.5 x 15 cm	1265250UNI	1 pc.		
	1265250	5 pc.		
10 x 15 cm	1265240UNI	1 pc.		
	1265240	5 pc.		
20 x 30 cm	1265220UNI	1 pc.		
	1265220	5 pc.		
30 x 30 cm	1265210UNI	1 pc.		
	1265210	5 pc.		
15 x 15 cm	1265230UNI	1 pc.		
	1265230	5 pc.		

References

- 1 Real-world data from the HerniaMed and EVEREG registries.
- 2 Zogbi L. The use of biomaterials to treat abdominal hernias. *Biomaterials Applications for nanomedicine*. 2011;16:359-83.
- 3 Lukaszewicz A, Drewa T. Synthetic implants in hernia surgery. *Adv Clin Exp Med*. 2014;23(1):135-42.
- 4 Lab.Nr. 03618 (GLP Report)
- 5 Hohenstein, test report no. 16.8.3.0046/Rev 1
- 6 Shellock F.G. Report: Evaluation of magnetic field interactions, heating, and artifacts for the Optilene Silver Mesh Elastic.
- 7 Registry data (EVEREG).

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Information according to Regulation (EU) 2017/745 and Council Directive 93/42/EEC respectively:



Manufacturer

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