Product Overview

BioCer Entwicklungs-GmbH

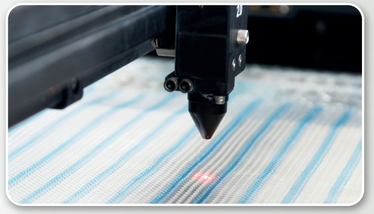
TiO_2Mesh™

MFP101	6 x 9 cm (2.4'' x 3.6'')	3 pcs	MFP134	30 x 15 cm (12'' x 6'')	1 pcs
MFP102	8 x 11 cm (3.2'' x 4.4'')	3 pcs	MFP141	30 x 30 cm (12'' x 12'')	1 pcs
MFP103	10 x 12 cm (4'' x 4.8'')	3 pcs	MFP301	Fascial Strip 8 x 40 cm (3.2'' x 16'')	3 pcs
MFP105	Ø 12 cm (4.8'')	3 pcs	MFP313	Hiatus 7 x 10 cm (2.8'' x 4'')	3 pcs
MFP111	10 x 15 cm (4'' x 6'')	3 pcs	MFP332	Hernia Patch 10 x 15 cm (4'' x 6'')	3 pcs
MFP112	12 x 17 cm (4.8'' x 6.8'')	3 pcs	MFP333	Hernia Patch Lichtenstein 6 x 13 cm (2.4'' x 5.1'')	3 pcs
MFP121	15 x 15 cm (6'' x 6'')	3 pcs	MFP334	Hernia Patch Lichtenstein asymmetrisch 6 x 13 cm (2.4'' x 5.1'')	3 pcs
MFP131	20 x 15 cm (8'' x 6'')	3 pcs	MFP341	Anatomical Mesh 10 x 15 cm (4'' x 6'')	3 pcs
MFP132	Oval 20 x 15 cm (8'' x 6'')	1 pcs	MFP342	Bilateral 30 x 11 cm (11.8'' x 4.3'')	1 pcs
MFP133	Oval 25 x 20 cm (10'' x 8'')	1 pcs			

TiO_2Mesh™ light

MFP211	10 x 15 cm (4'' x 6'')	3 pcs	MFP241	30 x 30 cm (12'' x 12'')	1 pcs
MFP212	12 x 17 cm (4.8'' x 6.8'')	3 pcs	MFP413	Hiatus 7 x 10 cm (2.8'' x 4'')	3 pcs
MFP221	15 x 15 cm (6'' x 6'')	3 pcs	MFP433	Hernia Patch Lichtenstein 6 x 13 cm (2.4'' x 5.1'')	3 pcs
MFP231	20 x 15 cm (8'' x 6'')	3 pcs			

Further sizes and shapes are available



Versatile use:

- Laparoscopic and open techniques of inguinal or incisional hernia repair, e.g.:
  - Lichtenstein technique
  - Transabdominal preperitoneal herniaplastic (TAPP)
  - Total extraperitoneal herniaplastic (TEP)
  - All modern procedures of ventral hernia treatment (IPOM, Sublay, Onlay, Milos and e-Milos)
  - Hiatal hernias (Nissen- or Toupet-Fundoplicatio)
- Fascial stripes for provisional soft tissue reinforcement after laparotomy
- Customized mesh implants according to the surgeons requirements

Product benefits:

- Titanium oxide coating for excellent biocompatibility
- Large pored mesh structure made of monofilament threads for improved fibroblastic ingrowth and reduced shrinkage
- Light weight character
- High tensile strength 55 N/cm
- Self-fixating
- High flexibility and reduced rigidity for excellent mesh adaption

TiO_2Mesh™
TiO_2Mesh™ light

Bio-compatible Coating

made in GERMANY

Surgical Mesh Implant

BioCer

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MDD103.16/2021-09

fast - effective - Safe

BioCer

BioCer

made in GERMANY

BioCer Entwicklungs-GmbH
Innovative Medical Devices

www.biocer-gmbh.de

TiO_2Mesh™ light

32 g/m²

TiO_2Mesh™

TiO_2Mesh™ is a surgical mesh implant specially indicated for repair of soft tissue defects of the abdominal wall, where a non-absorbable support material is required. Relevant applications include the repair of inguinal and incisional hernias in all common surgical procedures and even IPOM.

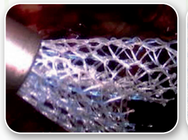
Fast
- Supports the clinical time management
- Easy handling

Effective
- Improved fibroblastic ingrowth
- Biodynamic stress strain behavior for excellent mesh adaption

Safe
- Reduced shrinkage and improved implant incorporation
- Intensive support and product training by BioCer Entwicklungs-GmbH

Easy to use

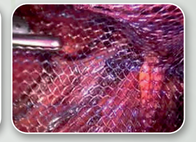
Self inflating
Self inflating for fast and effective laparoscopic handling.



Orientation stripes
Blue orientation stripes facilitates the intraoperative positioning.

Large pores
Large pored structure supports visibility and transparency.

Self-fixating
Hydrophilic implant surface supports intraoperative handling.



Titanized solutions for hernia repair

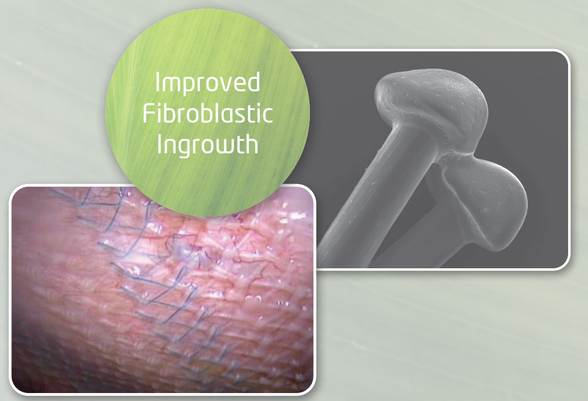
TiO_2Mesh™ is made from a monofilament polypropylene thread and has a large-pored structure with blue orientation stripes. The single fibers of the mesh implants are completely covered by a high-purity and adherent titanium oxide surface coating to enhance the biocompatibility. This layer results in an excellent biocompatibility.

In combination with the lightweight character, the large-pored structure and the reduced material surface lead to improved fibroblastic ingrowth and reduced shrinkage.

TiO_2Mesh™ is highly flexible to react to body dynamics in terms of tensile strength and elasticity. The optimized pore structure results in a biodynamic stress strain behavior.

TiO_2Mesh™ has lasercut edges with blunt fiber ends to reduce micro traumata, irritation and penetration into vessels and nerves.

Customized mesh implants according to the surgeons requirements complete the product portfolio of TiO_2Mesh™.



TiO_2Mesh™ light

A lighter version of the TiO_2Mesh™ is the TiO_2Mesh™ light. It differs in knitting and has a lower reactive surface.

The advantages at a glance:
- Lightweight character with 32 g/m² and an extreme low reactive surface
- High tensile strength with 50 N/cm
- Is trimmable in all directions
- Ideal handling in laparoscopic (e.g. TAPP and TEP), IPOM and open procedures
- Solutions for the treatment of inguinal, umbilical and femoral hernias
- Is suitable for all ventral hernias