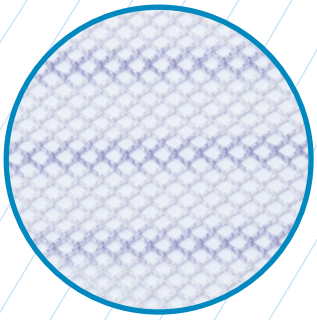
ASSUT EUROPE
SUTURE CHIRURGICHE
unotec
More than surgery

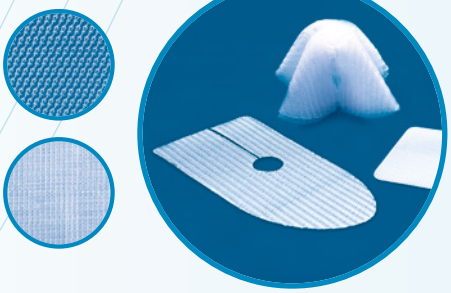
A NEW GENERATION OF SURGICAL MESHES

Synthetic Meshes



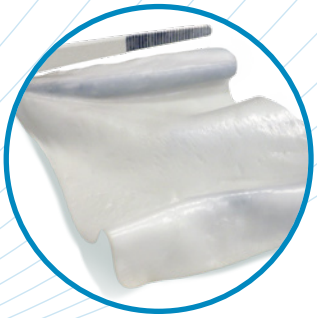
SORBIMESH®

SORBIMESH®
All in One Mesh Hernioplasty

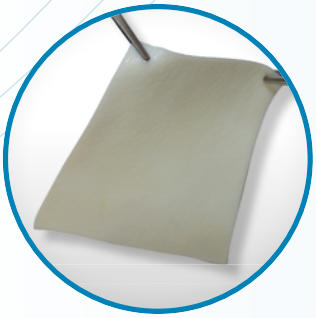


ASSUMESH
High & low density

Biological Meshes



BIORIPAR®
Bovine Pericardium Matrix



BIORIPAR®
Porcine Dermis Collagen Matrix

CR PATCH
Bovine

ALL IN ONE
MESH HERNIOPLASTY
Bovine

SEMI-MOON
SHAPE BREAST
Bovine

ASSUT EUROPE S.P.A.

ASSUT EUROPE SUTURE CHIRURGICHE
More than surgery

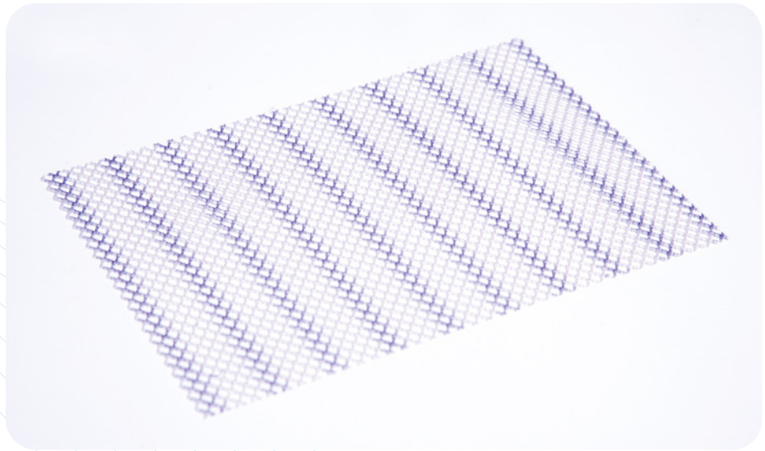
Assut Europe S.p.A., founded in 1991, is an Italian factory of surgical sutures, present all over the world with the commercialization of a wide range of medical devices and biomedical systems.

Our vision, based on the logic of total quality management and lean production, is oriented to customer satisfaction through an offer focused on certified and high quality products, resulting from a constant research and development for innovation at the service of the various surgical specialties.

General surgery, vascular surgery, cardiac surgery, orthopedic thoracic surgery represent only some of our areas of reference.

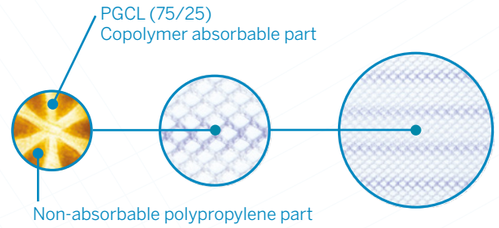
SORBIMESH®

SEMI-ABSORBABLE SYNTHETIC MESH



DESCRIPTION

Sorbimesh® is a semi-absorbable mesh braided with absorbable synthetic monofilament of poly (glycolide-co-Ɛ-caprolactone) undyed or purple and of a non-absorbable synthetic monofilament of polypropylene, undyed.



INDICATIONS

Sorbimesh® is indicated for the repair of abdominal and thoracic wall defects requiring support by means of reinforcement or interstitial filling material; can be adapted to different types of hernioplasty.

TECHNICAL FEATURES

- Total density of the mesh: ≤ 90 g/m²
- Content of Polypropylene ≤ 30 g/m²
- Thickness: 500 ± 50 µm
- Pores diameter: 2.5 ± 1.0 mm

ADVANTAGES

- After 110 days from the implant only a low-density mesh remains (30 g/m²)
- Excellent flexibility
- Excellent handling
- Complete absorption of poly (glycolide-co-Ɛ caprolactone) between 90 and 110 days
- Reduces the possibility of inflammation
- The wide pore mesh improves the formation of connective tissue

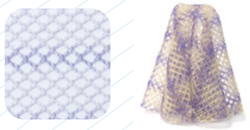
CODE	DESCRIPTION/SIZE	BOX
SM03	Volumetric Plug - height 2,7 cm, Ø 2,5 cm	1
SM05	Volumetric Plug - height 3,4 cm, Ø 3,7 cm	1
SM07	Volumetric Plug - height 4,6 cm, Ø 4,3 cm	1
SM09	Volumetric Plug - height 5,0 cm, Ø 4,5 cm	1

A NEW GENERATION OF SURGICAL MESHES

SORBIMESH®

SEMI-ABSORBABLE SYNTHETIC MESH

CODE	DESCRIPTION/SIZE	BOX
SM0611	Sorbimesh® 6x11 cm	1
SM1012	Sorbimesh® 10x12 cm	1
SM1015	Sorbimesh® 10x15 cm	1
SM1515	Sorbimesh® 15x15 cm	1
SM1520	Sorbimesh® 15x20 cm	1
SM2025	Sorbimesh® 20x25 cm	1
SM2030	Sorbimesh® 20x30 cm	1
SM3015	Sorbimesh® 30x15 cm	1
SM3030	Sorbimesh® 30x30 cm	1



CODE	DESCRIPTION/SIZE	BOX
SM0611V03	Sorbimesh® 6x11 cm & Volumetric Plug height 2,7 cm, Ø 2,5 cm	1
SM0611V05	Sorbimesh® 6x11 cm & Volumetric Plug height 3,4 cm, Ø 3,7 cm	1
SM0611V07	Sorbimesh® 6x11 cm & Volumetric Plug height 4,6 cm, Ø 4,3 cm	1
SM0611V09	Sorbimesh® 6x11 cm & Volumetric Plug height 5,0 cm, Ø 4,5 cm	1

SORBIMESH®

ALL IN ONE MESH HERNIOPLASTY

The new surgical procedure “ALL IN ONE MESH HERNIOPLASTY” has the aim to perform an anatomical and functional hernioplasty thanks to the application of a highly biocompatible mesh, with reduced sizes and with a design able to reinforce directly and simultaneously all areas of weakness of the inguinal canal before being covered with the cremasteric fiber fascia. The unique features of the mesh, that are functional to this innovative technique, help avoiding neuralgias and persistent “foreign body” feeling.

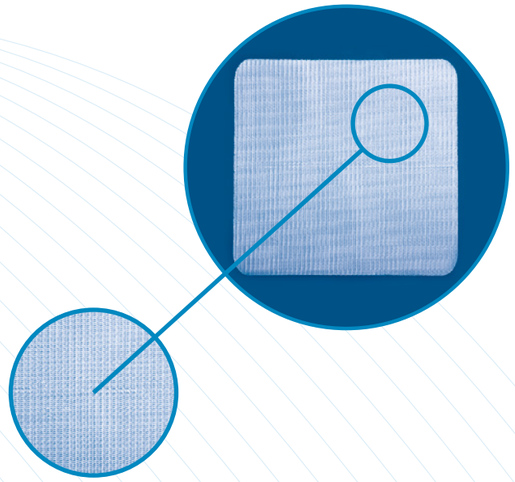
KIT AG-01

CODE	DESCRIPTION/SIZE	BOX
SM0410P	Sorbimesh® 4x10 cm	1
FU395LAQ	GLICOFIL® LAC 1/2 C. CIL. 25,9 mm USP 2/0 75 cm	1
FU395HHAC	FILBLOC® 1/2 C. CIL. 26 mm USP 3/0 20 cm Monodirectional with final lock system	1
FR438HHAD	FILBLOC® 1/2 C. CIL. 26 mm USP 0 25 cm Monodirectional with final lock system	1
FV533LR	GLICOFIL® LAC FAST 3/8 - TRIANG. 24,3 mm USP 3/0 75 cm	1

ASSUMESH

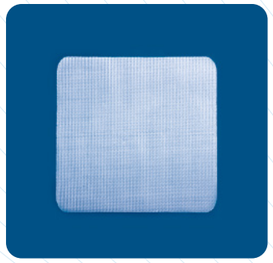
MONOFILAMENT POLYPROPYLENE IMPLANT

HIGH DENSITY, NON-ABSORBABLE MONOFILAMENT POLYPROPYLENE 90 GR/M² MESH



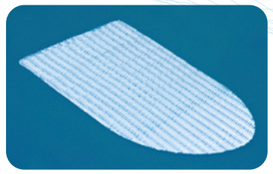
INDICATIONS

Assumesh is indicated for the repair of abdominal and thoracic wall defects requiring support through reinforcement or interstitial filling material; it can be adapted to different types of hernioplasty.
The device can be used in both open surgery and laparoscopy.



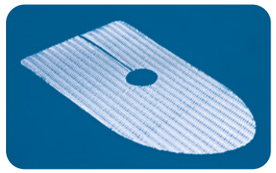
CODE	DESCRIPTION/SIZE	BOX
AM6011	Polypropylene mesh 6x11 cm	10
AM8015	Polypropylene mesh 8x15 cm	10
AM1015	Polypropylene mesh 10x15 cm	10
AM1515	Polypropylene mesh 15x15 cm	10
AM2030	Polypropylene mesh 20x30 cm	6
AM2535	Polypropylene mesh 25x35 cm	6
AM3030	Polypropylene mesh 30x30 cm	6

MESH FOR WOMEN



CODE	DESCRIPTION/SIZE	BOX
AM0510	Polypropylene mesh, pre-shaped, without hole 5x10 cm	6
AM6013	Polypropylene mesh, pre-shaped, without hole 6x13 cm	6
AM6014	Polypropylene mesh, pre-shaped, without hole 6x14 cm	6

MESH FOR MEN

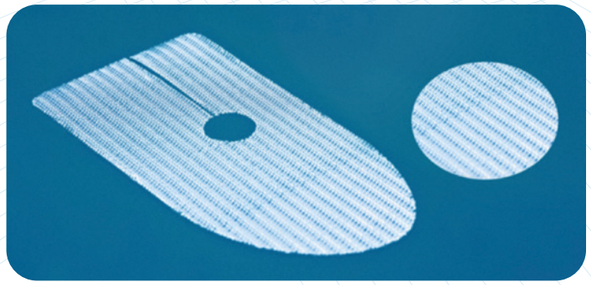


CODE	DESCRIPTION/SIZE	BOX
AM5010	Polypropylene mesh, pre-shaped, with hole 5x10 cm	6
AM6113	Polypropylene mesh, pre-shaped, with hole 6x13 cm	6
AM7014	Polypropylene mesh, pre-shaped, with hole 7x14 cm	6

ASSUMESH
MONOFILAMENT POLYPROPYLENE IMPLANT

HIGH DENSITY, NON-ABSORBABLE MONOFILAMENT POLYPROPYLENE 90 GR/M^2 MESH

MESH FOR MEN & FLAT PLUG



CODE	DESCRIPTION/SIZE	BOX
AM5010P	Polypropylene mesh, pre-shaped, with hole 5x10 cm & flat plug Ø 5cm	6

VOLUMETRIC PLUG

CODE	DESCRIPTION/SIZE	BOX
AM03	Volumetric plug in polypropylene, height 2,7 cm, Ø 2,5 cm	6
AM05	Volumetric plug in polypropylene, height 3,4 cm, Ø 3,7 cm	6
AM07	Volumetric plug in polypropylene, height 4,6 cm, Ø 4,3 cm	6
AM09	Volumetric plug in polypropylene, height 5,0 cm, Ø 4,5 cm	6

FLAT PLUG

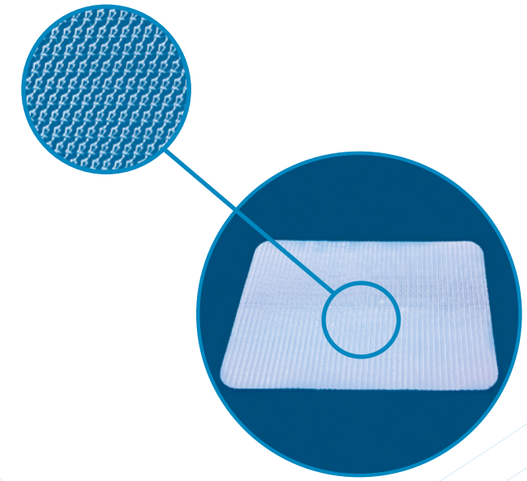
CODE	DESCRIPTION/SIZE	BOX
AM5000	Flat polypropylene plug, Ø 5 cm	6
AM7000	Flat polypropylene plug, Ø 7 cm	6

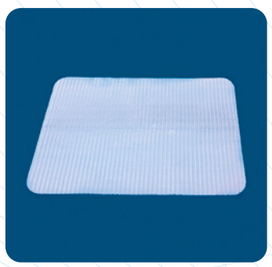
ASSUMESH
MONOFILAMENT POLYPROPYLENE IMPLANT

LOW DENSITY , NON-ABSORBABLE MONOFILAMENT POLYPROPYLENE 55 GR/M^2 MESH

INDICATIONS

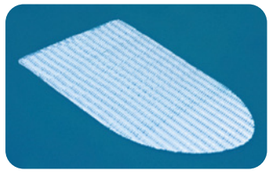
Assumesh is indicated for the repair of abdominal and thoracic wall defects requiring support through reinforcement or interstitial filling material; it can be adapted to different types of hernioplasty.
The device can be used in both open surgery and laparoscopy.





CODE	DESCRIPTION/SIZE	BOX
AM6012	Polypropylene mesh, low density, 6x11 cm	10
AM8016	Polypropylene mesh, low density, 8x15 cm	10
AM1516	Polypropylene mesh, low density, 15x15 cm	10
AM2026	Polypropylene mesh, low density, 20x25 cm	6
AM2032	Polypropylene mesh, low density, 20x30 cm	6
AM2536	Polypropylene mesh, low density, 25x25 cm	6
AM3032	Polypropylene mesh, low density, 30x30 cm	6

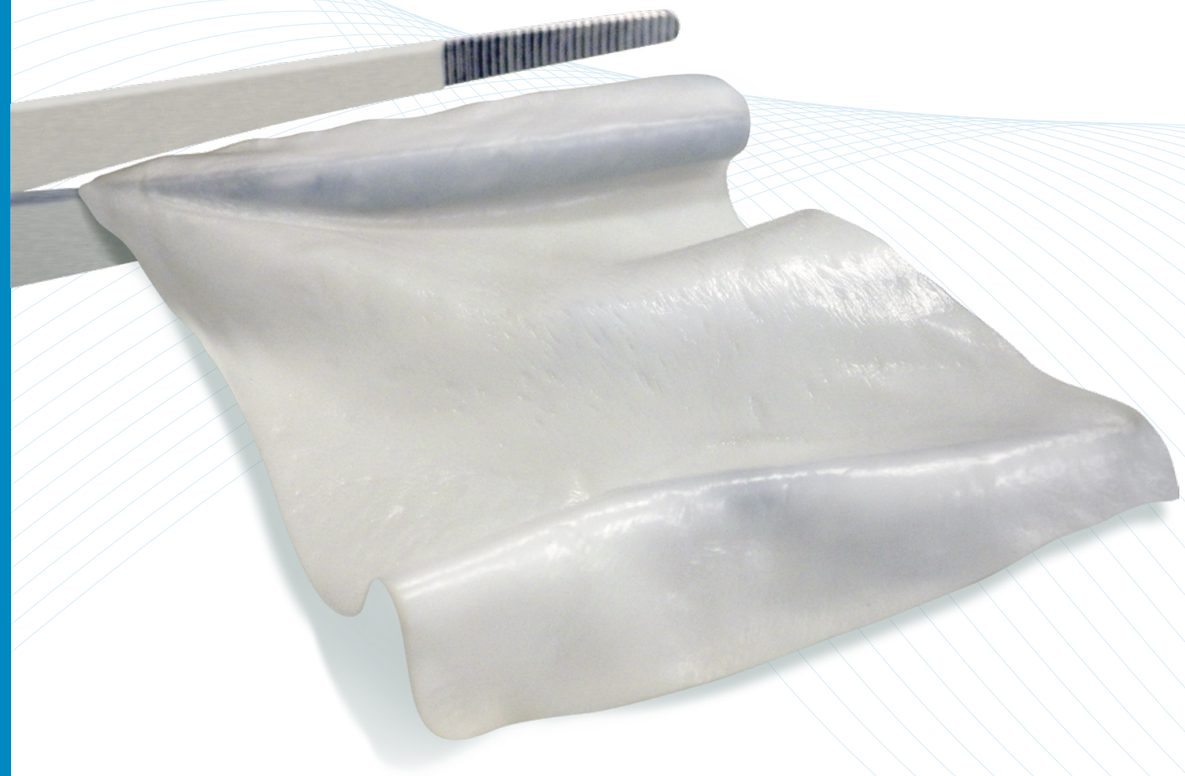
MESH FOR WOMEN



CODE	DESCRIPTION/SIZE	BOX
AM5012	Polypropylene mesh, pre-shaped, without hole, low density, 5x10 cm	1
AM0616	Polypropylene mesh, pre-shaped, without hole, low density, 6x14 cm	1

BioRipar®

BOVINE PERICARDIUM MATRIX



Detail

BioRipar® is a new biological matrix obtained from bovine pericardium and composed of type I collagen and elastin. The pericardial tissue is subjected to a "Multiphasic Process" specifically developed by Assut Europe, aimed at maintaining the three-dimensional structure of the collagen and its biomechanical properties. Therefore, a matrix is obtained for the germination of fibroblasts that promote the formation of new tissues and blood vessels. At the same time as new tissue is created, a gradual degradation of pericardial collagen occurs.

PRODUCT FEATURES

BioRipar® is an implantable surgical medical device, belonging to Class III, designed for the reinforcement, repair, regeneration and soft tissue reconstruction.

- Remodelable
- Biocompatible
- Traction and pressure resistant
- Easy to handle
- Flexible
- Easy to suture

BioRipar®

BOVINE PERICARDIUM MATRIX

ORIGIN

The pericardium used in the production of BioRipar®, comes from bovines born, grown and slaughtered in Italy, carefully selected among those where there have not been cases of Bovine Spongiform Encephalopathy (BSE).

In any case, for quality purposes, the following requirements are applied:

- the selected tissue comes from animals under 24 months
- the pericardium is taken from healthy recognized animals after ante and post mortem control in accordance with current European Community provisions. In order to exclude any "cross-contamination" the tissues are processed with the "single-donor" method and there is never "pooling" of tissues.
- animals selected by veterinarians, according to rigorous criteria, are all certified and used for food consumption.

BioRipar® is available in various shapes and sizes: wet and dry, perforated and non perforated.

INDICATIONS

The membrane is indicated for the repair of soft tissues, for strengthening the muscular flaps, augmentation and covering of tendon structures, reinforcing and/or replacing connective tissues, to prevent the formation of adhesions and to accelerate times in regenerating tissues in the following surgical specialties:

- Abdominal
- Reconstructive plastic
- Urology
- Gynaecology
- Andrology
- Thoracic
- Orthophaedics
- Otolaryngology
- Traumatology
- Implantology
- Periodontology

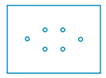
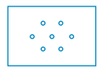
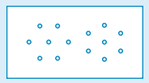
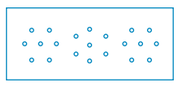
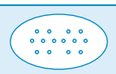
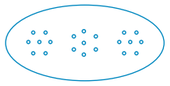
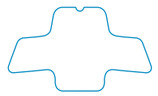
The perforated membrane provides greater liquid permeability and is preferred in all applications where this feature is appreciated or needed.

The device is "latex free" and "phthalates free".

A NEW GENERATION OF SURGICAL MESHES

BioRipar®

BOVINE PERICARDIUM MATRIX

CODE	DESCRIPTION	SIZE (cm)	SHAPE
AEPB040-050U	Non perforated rectangular	4x5	
AEPB040-060U	Non perforated rectangular	4x6	
AEPB040-070U	Non perforated rectangular	4x7	
AEPB040-080U	Non perforated rectangular	4x8	
AEPB050-050U	Non perforated square	5x5	
AEPB040-160U	Non perforated rectangular	4x16	
AEPB060-080U	Non perforated rectangular	6x8	
AEPB100-160U	Non perforated rectangular	10x16	
AEPB(F)060-080U	Perforated rectangular	6x8	
AEPB(F)060-180U	Perforated rectangular	6x18	
AEPB(F)080-120U	Perforated rectangular	8x12	
AEPB(F)120-120U	Perforated square	12x12	
AEPB(F)080-160U	Perforated rectangular	8x16	
AEPB(F)080-180U	Perforated rectangular	8x18	
AEPB(F)120-160U	Perforated rectangular	12x16	
AEPB(F)120-200U	Perforated rectangular	12x20	
AEPB(F)150-200U	Perforated rectangular	15x20	
AEPB(F)120-250U	Perforated rectangular	12x25	
AEPB(F)130-300U	Perforated rectangular	13x30	
AEPB(F)100-161U	Perforated oval	10x16	
AEPB(F)110-181U	Perforated oval	11x18	
AEPB(F)120-201U	Perforated oval	12x20	
AEPB(F)130-221U	Perforated oval	13x22	
AEPB(F)140-251U	Perforated oval	14x25	
AEPB(F)080-162U	Semi-moon shape Breast Size S	8x16	
AEPB(F)100-182U	Semi-moon shape Breast Size M	10x18	
AEPB(F)120-202U	Semi-moon shape Breast Size L	12x20	
AEPB 038-097U	Inguinal hernia All in One	3,8x9,7	
AEPB(F)080-060U	Vaginal prolapse Butterfly 3D	6x8	
BA01	KIT Inguinal hernia + Plug (AEPB 080-080U AEPB 040-100U)	Ø8 4 x10	
AEPB050-086S	CRPatch Cystocele Repair Patch	5X8,6 cm	

A NEW GENERATION OF SURGICAL MESHES

CR PATCH

CYSTOCELE REPAIR PATCH

SURGICAL BACKGROUND

Pelvic organic support, described by J. DeLancey, (J.O.L. DELANCEY 1994) identifies in the level II the anchorage of the medial portion of the vaginal walls through the pubo-cervical fascia, which is fixed to the tendinous arch of the endo-pelvic fascia. Therefore, the anatomic integrity is the main mandatory condition to the functional restore of pelvic organs.

STANDARD PELVIC SURGERY

Standard pelvic floor surgery, main phases:

I. Anterior Vagina wall Incision «reverse T» form the vesical neck to the portio, bilaterally, or to the vaginal cupola, in case of previous hysterectomy

II. Pubic-vesical fascia separation or "Alban's fascia" from the vagina wall to the ischium-pubic branch

III. Pubic-vesical fascia duplication thorough monofilament long term absorbable suture Cal. 2/0 (Assufil Monofilament FU395M) separate stich technique.

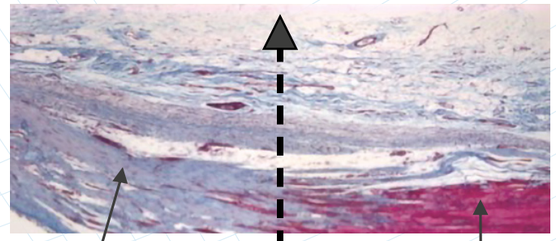
IV. Vaginal wall recentation

V. Vaginal Breach closure thought continuous stitch technique thorough barbed long term absorbable suture (Filbloc® FQ07GHHAD).

GUIDED REPAIR PROCESS

The integration in the host tissue three months after implantation, shows an andvanced integration, with evident deposit of neo-collagen and angiogenesis. The process will finish with a physiological regeneration of a new functional structure with increased tensile strength, useful to repair the anatomic deficit of cystocele, the compartment with the highest relapse rate in pelvic surgery.

3 MONTHS POST-IMPLANT



FUNCTIONAL ANATOMIC REPAIR

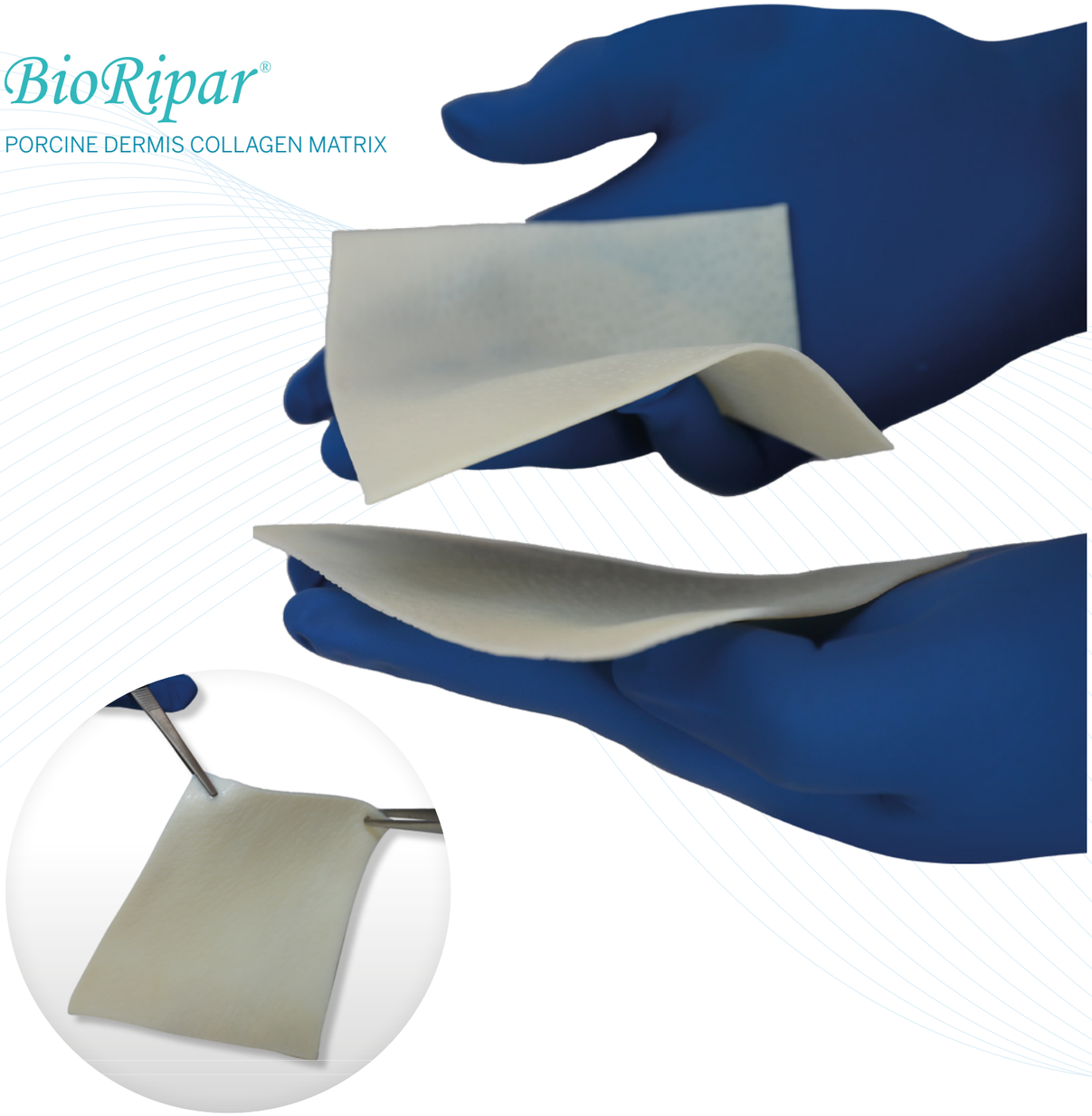
CRPatch Cystocele Repair Patch has a specific design developed to optimize the surgical strategies oriented to the functional anatomy in terms of resolution of the specific defect. The shape has been designed to recreate the anatomy of DeLancey's level II, reinforcing specifically the damaged tissues, fixing the patch's wings to the tendinous arch of the endo-pelvic fascia. The sub-urethral positioning and the CRPatch's medial body perform the repair of the central defect of the cystocele, the lateral wings are used to solve the lateral defect by functional anchorage.

The specific procedure is the same compared to the standard surgery for the first 3 steps, then, the paravesical spaces are prepared, for a depth of about 3 cm, towards the tendinous arch, allocating the lateral wings in this site, immediately after the sub-urethral positioning. The fixation to the pubo-cervical fascia is performed with Cal. 2/0 monofilament long term absorbable suture (Assufil Monofilament FU395M) with separate stich technique.

CODE	DESCRIPTION	size
AEPB050-086S	CRPatch Cystocele Repair Patch	5X8,6 cm

BioRipar®

PORCINE DERMIS COLLAGEN MATRIX



The medical device is a collagen membrane obtained from the dermis extracted from porcine skin, subjected to a multiphase chemical treatment, conceived and developed by ASSUT EUROPE S.p.A. The manufacturing process is aimed at the complete destruction of the cells and the subsequent removal of polluting cells and protein residues, including nucleic acids, keratin and fats, without altering the threedimensional structure of collagen and its biomechanical properties.

The medical device is available in two forms:

1. one form composed of type I and type III collagen, and elastin, obtained by removing the hypodermis and epidermis, leaving the central layer of the dermis

2. another form reinforced with the basement membrane, composed of type IV and type VII collagen.

The device acts as a matrix for the germination of fibroblasts, the formation of new tissues and blood vessels. Simultaneously with the creation of new tissues there is a gradual degradation of the dermis collagen.

The porous structure of the native porcine dermis ensures long-term drainage.

BioRipar®

PORCINE DERMIS COLLAGEN MATRIX

PRODUCT FEATURES

The most important feature of Bioripar® Porcine Dermis is its collagen structure (type I and III), which guarantees its stability while still being soft and flexible. The membrane is easily suturable.

After its application, the collagen matrix repairs damaged surfaces. The organism reacts to the introduction of collagen by starting the repair process of damaged tissues: it begins to release a large number of cytokines, growth factors, and gradually replaces the implanted material with healthy tissues.

ORIGIN

The raw material of Bioripar® Porcine Dermis comes from pigs reared and slaughtered in Italy.
Standard membrane thickness: 1,0+0,2 mm
Reinforced membrane thickness: 1,5+0,2 mm
The device is “latex free” and “phthalates free”

INDICATIONS

The membrane is indicated for the reinforcement, reconstruction and/or surgical repair of damaged, torn soft tissues and/or in the presence of sagging, such as in the case of: abdominoplasty, hernioplasty, urogynecology, mammoplasty, pediatric surgery, periodontology and implantology.

HOW TO USE

The device must be used within 4 hours after opening the package. Before implantation, it can be immersed in sterile saline solution at room temperature if necessary.

Fix the membrane by suturing it.

CODE	DESCRIPTION	SIZE (cm)	SHAPE
AEDP 080-180 10	Rectangular with 1,0mm thickness	8x18	
AEDP 080-180(R)15	Rectangular with 1,5mm thickness	8X18	
AEDP 120-200 10	Rectangular with 1,0mm thickness	12x20	
AEDP 120-200(R)15	Rectangular with 1,5mm thickness	12x20	
AEDP 200-250 10	Rectangular with 1,0mm thickness	20x25	
AEDP 200-250(R)15	Rectangular with 1,5mm thickness	20x25	
AEDP 200-350 10	Rectangular with 1,0mm thickness	20x35	
AEDP 200-350(R)15	Rectangular with 1,5mm thickness	20x35	
AEDP 300-300 10	Rectangular with 1,0mm thickness	30x30	
AEDP 300-300(R)15	Rectangular with 1,5mm thickness	30x30	

A NEW GENERATION OF SURGICAL MESHES

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unotec
More than surgery

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