

**Precautions:**

Do not re-sterilize. Discard all open and unused portions of **Surgicoll-Mesh**. **Surgicoll-Mesh** is sterile if the package is dry, unopened and undamaged. Do not use if the package seal is broken. The device must be used prior to the expiration date.

**Storage:**

**Surgicoll-Mesh** should be stored in a clean, dry location at room temperature.

**Sterilization:**

**Surgicoll-Mesh** has been sterilized with ethylene oxide. (Each individually sterilized).

**Available Sizes (in cm):**

5x5	2x25	5x10	10x10	10x15	10x20
15x15	10x25	15x20	20x20	15x30	20x25
20x30					

(Each individually sterile packaged)



 **Manufactured by:**

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Under the License from :

 **ENCOLL**

Fremont, CA-94538, USA

CP8005.B

# SURGICOLL-MESH<sup>TM</sup>

## IMPLANTABLE, BIORESORBABLE TISSUE REGENERATIVE STERILE TYPE-I COLLAGEN MATRIX

### Using a Patented American Technology

For  
Cartilage Regeneration,  
Soft Tissue & Muscle Flap Reinforcement,  
Dural Repair,  
Intra Oral Surgical Applications,  
Colo-Rectal, Urethral & Vaginal Prolapse,  
Pelvic Floor Reconstruction & Urethral Sling  
and

Third Degree Burn to accommodate the Skin Graft Needs



## Advanced Patented High Purity Type-I Collagen Matrix

**Advanced Biotech Products (P) Ltd**



# SURGICOLL-MESH™

Surgicoll-Mesh is a biocompatible collagen mesh that is flexible, strong yet soft collagen membrane that is supple when hydrated and handles like natural tissue; it readily conforms to the surgical site upon application and is easily sutured. Surgicoll-Mesh is a reconstituted type-I collagen mesh free of contaminants like lipids, elastin and other immunogenic proteins. The collagen used in the Surgicoll-Mesh product is based on a patented technology that ensures the high purity type-I collagen. It is processed under patented conditions and with stringent USP quality tests as per WHO (World Health Organization) and other international standards.

## INDICATIONS:

Use as a patch to reinforce soft tissue where weakness exists and for the surgical **repair of damaged or ruptured soft tissue membranes** including the repair and anchorage of **tendon damage** in Plastic and reconstructive surgery.

**Muscle flap reinforcement.**

**Hernia repair** including abdominal, inguinal, diaphragmatic, femoral, scrotal, umbilical, and incisional hernias.

**Dura substitute** for repair of the dura mater.

Use for **Osteochondral Resurfacing** purposes and as **synovial tissue implants**.

**Intra Oral Surgical Applications** as a biocompatible resorbable membrane as used by Oral and Maxillofacial and Dental surgeons

Use as a reconstructive membrane for **Colon, rectal, urethral & vaginal prolapse**.

Use as a **pelvic floor reconstructive** membrane and for Sacrocolposuspension & urethral sling.

Use for **third degree burn** applications to encourage the neo-vascularization and granulation upon 4 to 5 days after application to accommodate the skin graft if needed.

## Advantages of Surgicoll-Mesh:

**Surgicoll-Mesh** offers clear advantages over synthetic and other collagen products for soft tissue repair and reconstruction applications. Intrinsicly strong, yet soft and supple when hydrated, **Surgicoll-Mesh** handles like natural tissue; it readily conforms to the surgical site, and is easily sutured. The product's biochemistry and microporosity facilitate rapid cell penetration and revascularization. Ultimately, Surgicoll-Mesh acts as a scaffold that can be naturally and progressively integrated, remodeled, and eventually replaced by functional host tissue. Surgicoll-Mesh uses a patented process to purify the type-I collagen and make it into a membrane with the biological properties and structure of native collagen.



## DIRECTIONS FOR USE:

**Note:** Surgicoll-Mesh comes in a sterile double packaging as a transparent pliable sheet with a back and a top protection cover sheet of medical grade synthetic polymer.

- ❖ Upon opening the sterile package, the top sheet of polymer can be removed carefully and soaked in sterile water/normal saline solution for 2 to 6 minutes to easily remove the backing sheet.
- ❖ Prepare the area using standard methods to ensure it is free of debris and necrotic tissues.
- ❖ Do not apply ointment or any greasy cream on the site prior to Surgicoll Mesh.
- ❖ Slightly stretch the membrane for better adherence to the surface.
- ❖ Do not try to over stretch the membrane.



**Collagen consistently incorporated by neo-vascularization by day 4-5. Capillary Structure and new tissue incorporates into Surgicoll-Mesh eventually.**

**(U.S. Patents 5,814,328; 6,127,143 & 6,548,077)**

### Caution:

Always handle **Surgicoll-Mesh** using aseptic technique. **Surgicoll-Mesh** may form a caramel-colored gel, which can be rinsed away with gentle irrigation. **Surgicoll-Mesh** should not be applied until excessive exudate, bleeding, acute swelling, and infection is controlled.

### Contra-indications:

**Surgicoll-Mesh** is derived from a bovine or ovine source and should not be used in patients with known sensitivity to such material.