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Resorbable regenerative tissue matrix for soft tissue applications

DSI Zenoss Matrix Bio+

INSTRUCTIONS FOR USE

PURPOSE

Zenoss Matrix is a 3D collagen matrix designed tissue regeneration. It is indicated for use for the coverage of recession defects and to increase the width of keratinized tissue.

INDICATIONS

- Gingival recession coverage;
- Gain of keratinized tissue;
- Soft tissue ridge augmentation;
- Exposed root coverage
- Filling of defects after the removal of cysts;
- Closure of extraction sockets (socket seal);
- Soft tissue grafting with GBR/GTR technique;
- As a stabilizer of the clot.

FEATURES

Zenoss Matrix is made from carefully purified type I-III collagen and contains no additional cross-linking agents. The membrane has a dense morphology of oriented fibers, which helps to achieve excellent mechanical stability, and to prevent the epithelium migration process.

Zenoss Matrix is non-immunogenic and inert, which leads to the absence of a pronounced inflammatory response to foreign body. The membrane is not antigenic, highly biocompatible, preventing proliferation and migration of the epithelium, creating optimal conditions for guided bone regeneration. Due to its excellent hydrophilicity, Zenoss Matrix will moisten rapidly which allows tissue adherence as a prerequisite for favorable wound healing. It will hold the blood clot without structure changes. The material is completely resorbed without fibrous degeneration.

DIRECTION FOR USE

1. The general principles of sterile handling and patient medication must be followed when using the Zenoss Matrix.
2. After opening, Zenoss Matrix is trimmed to the required size and shape with surgical scissors. Use of sterile metallic foil as a stencil is possible.
3. The matrix should be used after wetting in sterile saline or the patient blood for 5 minutes, upon achieving needed flexibility. Size and shape should match closely match the defect.
4. Due to the compact structure of this matrix, fixation or suturing is possible. After placement in covered sites, and the mucoperiosteal flap should be sutured over the matrix without tension. The wound should, whenever possible, be completely closed to avoid rapid resorption.
5. Complete penetration of the Zenoss Matrix by blood allows close adaptation and adhesion of the matrix to the underlying surface. To avoid a bacterial contamination risk, minimize the contact of Zenoss Matrix with saliva or other media during the surgical stage.
6. During the healing phase stress in the wound area from prosthetic pressure or palpation should be avoided. Intensive mechanical oral hygiene should be replaced by antibacterial rinsing (e.g., with chlorhexidine) for the first 3 weeks. Antibiotic therapy is prescribed at the discretion of the clinician.

A basic requirement for successful periodontal treatment includes eradicating the underlying bacterial infection as well as adequate oral hygiene. Therefore, prior to surgical intervention, patients must receive a hygiene phase of treatment, consisting of oral hygiene instructions, scaling and root planing, and occlusal adjustment when indicated. A postoperative maintenance phase can help to ensure long-term therapeutic success. Biodegradation period is 3-6 months.

STERILITY

Radiation sterilization by radiation 18 ±3,0 kGy. The sterility of undamaged, unopened packs is guaranteed. Damaged packages should be discarded prior to use. Do not reuse/do not re-sterilize.

STORAGE

Store in a dry and dark place at temperature (+5°C…+25°C).

PACKAGING

Plug, matrix Ø 8.0 mm	**Ref: DS-ZMP08**
Plug, matrix Ø 12.0 mm	**Ref: DS-ZMP12**
Small, matrix 10x30mm	**Ref: DS-ZMM10**
Medium, matrix 15x20mm	**Ref: DS-ZMM15**
Large, matrix 20x30mm	**Ref: DS-ZMM20**

Failure to comply with the conditions of storage leads to a change of the working characteristics of the material and decrease the shelf life of the material.
The manufacturer is not responsible for any loss of quality caused by the failure to comply with terms of transportation, storage and use established by the manufacturer for this product. Responsibility for the use of the material for purposes other than those specified by the manufacturer falls on the user.