BioVin® Collagen Membrane
Resorbable cross-linked collagen membrane

BioVin® Bovine Bone
Bovine Bone Substitute

OToss Synthetic Bone
Synthetic Resorbable Biphasic Calcium Phosphate

OToss Synthetic Bone Inject
Microporous Resorbable Biphasic Calcium Phosphate
BioVin® Collagen Membrane

BIORESORBABLE COLLAGEN MEMBRANE

Controlled resorption
BioVin® Collagen Membrane is a cross-linked collagen membrane which is indicated for controlled tissue regeneration in periodontal defects. The resorbable membrane provides reliable protection against the adverse effects of bone regeneration and provides support to the healing process of soft tissue through its natural structure.

Biocompatible and safe
The membrane is made of porcine collagen type I and type III with standardized purification process. BioVin® Collagen Membrane is obtained by controlled manufacturing processes and international recognized standards for excellent biocompatibility. The collagen is extracted from veterinary certified pigs skin.

Easy to use
The biocompatible BioVin® Collagen Membrane is characterized by an easy and safe handling procedure: It can be cut and shaped, it is flexible and also stable and adapts perfectly to defects.
The BioVin® Collagen Membrane can be used in a variety of indications:

- Implantology, periodontology, oral surgery, maxilla-facial surgery
- Sinus lift
- Horizontal augmentation
- Ridge augmentation
- Alveolar ridge reconstruction
- Fenestration defects
- Dehiscence

The BioVin® Collagen Membrane is available in the following sizes:

<table>
<thead>
<tr>
<th>Art.-No.</th>
<th>Size</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>05-9159252010</td>
<td>15 x 25 mm</td>
<td>1 Membrane</td>
</tr>
<tr>
<td>05-9209302010</td>
<td>20 x 30 mm</td>
<td>1 Membrane</td>
</tr>
<tr>
<td>05-9309402010</td>
<td>30 x 40 mm</td>
<td>1 Membrane</td>
</tr>
</tbody>
</table>

Manufacturer: Biomatlante, ZA Les Quatre Nations, 5 Rue Edouard Belin, 44360 Vigneux de Bretagne, France
**BioVin® Bovine Bone**

**BOVINE BONE SUBSTITUTE MATERIAL**

BioVin® *Bovine Bone* is an inorganic bone substitute material of hydroxyapatite, origin of bovine bone (Australian bovine bone, BSE-free).

Due to its natural origin, BioVin® *Bovine Bone* is chemically as well as structurally comparable to the mineralized human bone. This ensures a positive acceptance and high efficiency.

The micro- and macro-porosity work together with the interconnecting pore system providing rapid revascularization.

After insertion into bone cavities or interstices BioVin® *Bovine Bone* builds an osteoconductive matrix, allowing growth into the adjacent functional bone.

BioVin® *Bovine Bone* is slowly absorbed during the healing process and replaced by bone.

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SEM Mesopore

SEM Micropore
BioVin® Bovine Bone

**PROPERTIES**

- Safe and Biocompatible
- Interconnecting pore system ensures fast revascularization
- Long-Term Volume Stability
- Micro & Macro Porosity
- Highly Purified Processing

**INDICATIONS**

BioVin® Bovine Bone can be used in a variety of indications:

- Implantology, periodontology, oral surgery, maxilla-facial surgery
- Alveolar ridge reconstruction
- Extraction sockets
- Peri-Implant defects
- Periodontal regeneration
- Intra-oral bone defects
- Root tip resections

**PRODUCT INFORMATION**

The bone substitution material BioVin® Bovine Bone is available in the following sizes and volumes:

<table>
<thead>
<tr>
<th>Art.-No.</th>
<th>Granule size</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>05-9059051010</td>
<td>0.25 - 1.0 mm</td>
<td>0.25 g (± 0.54 ml)</td>
</tr>
<tr>
<td>05-9059101010</td>
<td>0.25 - 1.0 mm</td>
<td>0.50 g (± 1.08 ml)</td>
</tr>
<tr>
<td>05-9109101010</td>
<td>1.0 - 2.0 mm</td>
<td>0.50 g (± 2.00 ml)</td>
</tr>
</tbody>
</table>

Manufacturer: SigmaGraft, Inc., 335 N. Puente St., Unit A, Brea, CA 92821, USA
OToss Synthetic Bone

SYNTHETIC BONE SUBSTITUTE

OToss Synthetic Bone synthetic bone substitute material consisting of 80% beta-Tricalcium Phosphate (β-TCP) and 20% Hydroxylapatite (HA). The optimal balance of a stable component (HA) and a more bioactive and resorbable component (β-TCP) in connection to porosity, provides a controlled process for ceramic resorption and bone substitution.

The unique manufacturing process of OToss Synthetic Bone offers an interconnecting porous structure which builds the basis for optimal angiogenesis and osteoconduction.

PROPERTIES

- 80% β-TCP, 20% HA
- Interconnected porosity
- Micro- & macro pores
- Osteoconduction
- Controlled resorption
- 30 years of clinical experience

INDICATIONS

OToss Synthetic Bone can be used in variety of indications:

- Periodontal/Bone defects
- Sinus lift
- Extraction sockets
- Alveolar ridge augmentations
- Filling of cystic cavities

PRODUCT INFORMATION

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Manufacturer: Biomatlante, ZA Les Quatre Nations, 5 Rue Edouard Belin, 44360 Vigneux de Bretagne, France
OToss Synthetic Bone Inject is a new, synthetic bone substitute material. The micro-pores, moldable Calcium Phosphate paste consists of 60% Hydroxylapatite (HA) and 40% beta-Tricalcium Phosphate (β-TCP) as well as a hydrogel which acts as the soluble carrier.

The resorbable bone graft substitute is supplied sterile in a syringe and can be applied directly into the bone defect, where it fits perfectly into the defect geometry.

The material remains stable in volume and ensures a controlled process of ceramic resorption and bone substitution.

**PROPERTIES**

- 40% β-TCP, 60% HA
- Moldable
- High volume stability
- Interconnected porosity
- Osteoconduction
- Controlled resorption

**INDICATIONS**

OToss Synthetic Bone Inject can be used in varies indications:

- Sinus lift
- Extraction sockets
- Periodontal/Bone defects
- Ridge augmentation
- Filling of cystic cavities

**PRODUCT INFORMATION**

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