Endobon® Xenograft Granules

Regeneration By Design

Manufactured by BIOMET® France, Sarl
Distributed by:

BIOMET 3i™
PROVIDING SOLUTIONS - ONE PATIENT AT A TIME®
Endobon® Xenograft Granules

A Bone Graft Substitute

- Bovine-derived hydroxyapatite that has been fully deproteinized by a two-step, high temperature process for safety from bacteria, viruses and prions.
- An essentially non-resorbable material that is ideally suited for regeneration of bone defects when effective space maintenance is required.
- Osseoconductive due to the interconnecting micro and macro pores for bony integration, which facilitate graft stability and vascular ingrowth.

Indications

Endobon Xenograft Granules are indicated for the following dental and/or oral surgical procedures:

- Alveolar ridge augmentation/reconstruction
- Filling of bone defects after root resection, cystectomy and apicoectomy
- Filling a socket after tooth extraction
- Sinus elevation

Small Granules

500–1000µm particle size typically preferred for grafting smaller defects, such as in extraction sockets.

Large Granules

1000–2000µm particle size typically preferred for grafting large defects, such as sinus elevations because less material is needed with larger-sized particles.

Conveniently packaged in easy-to-open dishes!

Large volumes (5ml and 8ml) are individually packaged in 1ml containers for sterility.

SEM images of Endobon Xenograft Granules at 20x and 100x showing the micro and macro pores in the particles.

Anterior Ridge Augmentation

**Fig. 1.** Extraction sockets of the four maxillary incisors and immediate implant placement.

**Fig. 2.** Grafting with Endobon® Xenograft Small Granules covered by an OsseoGuard® Resorbable Collagen Membrane.

**Fig. 3.** The soft-tissue flaps were closed and sutured.

**Fig. 4.** Clinical appearance of soft tissue showing excellent soft-tissue healing after four months.

**Fig. 5.** Clinical appearance of the regenerated site at four months, after removing the remnants of the membrane.

**Fig. 6.** Occlusal view after four months.

Post-Extraction Defects in the Aesthetic Zone

**Fig. 7.** Post-extraction defects in the maxilla right central and lateral incisor area.

**Fig. 8.** Occlusal view of the extraction site defects.

**Fig. 9.** Facial view of dehiscence defects after implant placement.

**Fig. 10.** Occlusal view of implants and defects.

**Fig. 11.** Grafting with Endobon Xenograft Small Granules covered by an OsseoGuard Resorbable Collagen Membrane.

**Fig. 12.** Regeneration at four months, after removing the remnants of the membrane.

Clinical Images Provided By: Dr. Xavier Vela†, Barcelona, Spain

The OsseoGuard Resorbable Collagen Membrane is manufactured by Collagen Matrix, Inc., USA.

† Dr. Xavier Vela has a financial relationship with BIOMET 3i LLC resulting from speaking engagements, consulting engagements and other retained services.
Two Year Histology

**Fig. 1.** Histologic core of the regenerated bone showing that the Endobon® Xenograft Granules integrated with newly formed bone.

**Fig. 2.** At 40x magnification, note the newly formed bone (violet) and mature bone (pink) that surround the Endobon Xenograft Granules (white).

**Fig. 3.** At 60x magnification, lamellar bone is well formed.

### Ordering Information

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<th>Endobon Xenograft Granules</th>
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<tbody>
<tr>
<td><strong>Catalog #</strong></td>
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<td><strong>Small Granules</strong></td>
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Legal Manufacturer: BIOMET® France, Sarl

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