In’Oss™
MBCP™ Technology

Moldable Synthetic Bone Graft
Microporous Resorbable
Biphasic Calcium Phosphate
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Microporous Resorbable Biphasic Calcium Phosphate

Building on Biomatlante’s core MBCP™ Technology, In’Oss™ is an innovative and moldable bone graft, composed of Hydroxyapatite (HA), Beta Tricalcium Phosphate (β-TCP) and a hydrogel.

Developed to facilitate handling during bone grafting procedures, In’Oss™ can fit into different grafting sites.

In’Oss™ is the optimal balance between MBCP™ micro granules and an absorbable hydrogel, acting as a carrier for rapid vascularization and mineralization.

In’Oss™ keeps the original graft shape and bone volume. It is gradually absorbed to be replaced by vital architectured bone.

 ✓ Resorbable
 ✓ Maintain volume stability
 ✓ No wash-out
 ✓ Superior handling characteristics

Unique Concept for Bone Augmentation

In’Oss™ has an interconnected microporous structure.

The Hydrogel creates extra spaces for cells and fluid diffusion between MBCP™ microporous particles.

In’Oss™ chemistry encourages the rapid formation of natural bone and the growth of capillary blood vessels throughout the matrix.

These materials have been shown to be perfectly biocompatible and absorbable.

Ready to use

In’Oss™ is supplied in a sterile syringe. In’Oss™ plasticity molds into the graft site.

Safe

In’Oss™ is a safe, completely synthetic product with excellent proven biocompatibility. In’Oss™ uses the core MBCP™ Technology to promote and regenerate high quality bone. This technology has been at the center of extensive clinical studies over the last 30 years (more than 650 published studies) with results comparable to autologous bone.
In'Oss™ Concept

**Easy & Fast**

**MBCP™ Technology**

<table>
<thead>
<tr>
<th>KEY FEATURES</th>
<th>KEY BENEFITS</th>
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<tbody>
<tr>
<td>Osteoconductive</td>
<td>Provides a matrix for new bone growth</td>
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<tr>
<td>Molecular mixture of HA and TCP</td>
<td>HA alone resorbs too slowly while TCP resorbs too fast. Bi-phasic HA and TCP allow for a resorption rate similar to that of human bone</td>
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<td>70% porosity, interconnected network of macro pores and micropores</td>
<td>Porosity similar to cancellous bone promotes the colonization of bone cells and biological fluid uniformly within the matrix</td>
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<td>Microporosity (&lt; 10 microns)</td>
<td>For ionic exchange: TCP dissolution and bony crystal precipitation. Newly bioactive interface with bone cells</td>
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<td>Macroporosity (&gt; 10 microns)</td>
<td>Allows deep invasion of bone cells inside the matrix</td>
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<td>&gt; 30 years of clinical experience</td>
<td>Host bone formation is systematically demonstrated</td>
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<td>Safe</td>
<td>100% synthetic</td>
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References


* Data on file, Biomatlante

Manufacturer:
BIOMATLANTE
Z.A. Les Quatre Nations
5 Rue Edouard Belin
44360 Vigneux-de-Bretagne — France
www.biomatlante.com

Consult instructions for use
Class III Medical Device
According to EU Directive EEC/93/42
Certain products may not be approved for sale in all countries

0.5 mL
1 syringe
1004PU50OR

1 mL
2 syringes x 0.5 mL
1401PU01OR

Supplied sterile
ISO 13485

Resorbable
Maintain volume stability
No wash-out
Superior handling characteristics

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