

# Biomatlante Bone Graft Line

## KEY FEATURES

## KEY BENEFITS

Osteoconductive	Provides a matrix for new bone growth
Molecular mixture of HA and TCP	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
70% porosity, interconnected network of macropores and micropores	Porosity similar to cancellous bone enables the colonization of bone cells and biological fluid uniformly within the matrix
Volume Stability	Maintains stable bone volume over > 5 years <sup>5</sup> Acquires the properties of host bone <sup>5</sup>
Architecture	100% regeneration into new lamellar or haversian bone New vascularized, mineralized and architectural bone
+30 years of clinical experience	Host bone formation is systematically demonstrated
Safe	100% synthetic

- Lee JH, Jung UW, Kim CS, Choi SH, Cho KS., *Histologic and clinical evaluation for maxillary sinus augmentation using macroporous biphasic calcium phosphate in human.*, Clin Oral Implants Res. 2008 Aug;19(8):767-71.
- Daculsi G, Laboux O, Malard O, Weiss P. *Current state of the art of biphasic calcium phosphate bioceramics.* J Mater Sci Mater Med. 2003 Mar;14(3):195-200
- Effect of Sintering Process of HA/TCP Bioceramics on Microstructure, Dissolution, Cell Proliferation and Bone Ingrowth. G. Daculsi, R. Z LeGeros, G. Grimandi, A. Soueidan, E. Aguado, E. Goyenvalle, J. LeGeros, Key Engineering materials Vols 361-363 (2008) pp1139-1142
- Changseong K., Sung Cho K., Daculsi C., Seris E., Daculsi G., *Eight-Year Clinical Follow-Up of Sinus Grafts with Micro-Macroporous Biphasic Calcium Phosphate Granules.* Key Engineering Materials Vol. 587 (2014) pp 321-324
- Five Years Clinical Follow up Bone Regeneration with CaP Bioceramics. C. Rodriguez, A. Jean, and G. Daculsi, Key Engineering Materials Vols. 361-363 (2008) pp. 1339-1342
- Daculsi G., Jegoux F. and Layrolle P. (2009). *The micro macroporous biphasic calcium phosphate concept for bone reconstruction and tissue engineering.* in Advanced Biomaterials: Fundamentals, Processing, and Applications book, Advanced Biomaterials: Fundamentals, Processing, and Applications, Basu B. et al., Wiley J. and sons Inc., pp 101-141
- Daculsi G., *Biphasic calcium phosphate granules concept for injectable and moldable bone substitute.* Advances in Science and Technology vol 49 (2006) pp 9-13

## MBCP+™ Granules



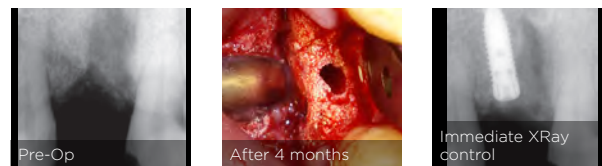
Sinus Augmentation

Closure

After 6 months

Dr S. Bechara, Lituanie\*

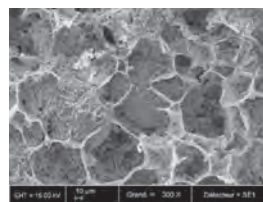
## In'Oss™ Moldable



Pre-Op

After 4 months

Immediate XRay control



Interconnected structure between the microporous granules and hydrogel

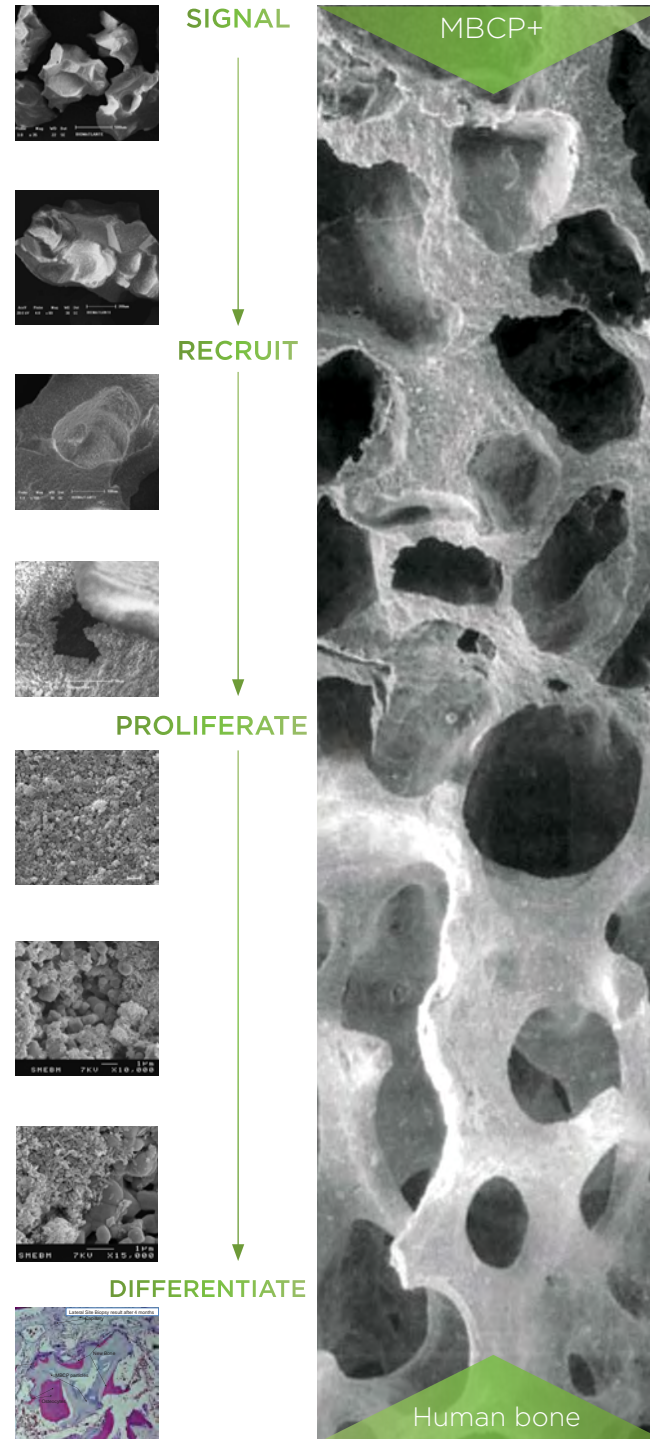
## How to use it



### Syringe

Ready to use

Ensure the cavity is blood-free. If necessary, daub with sponge prior to placing the material to remove excess blood.  
Remove the cap and implant the putty inside the cavity.



## Biomatlante Therapeutical Solutions

Option 1: ●●● Option 2: ●● Association: ●

MBCP+™ Granules S	MBCP+™ Granules L	In'Oss™ Putty	EZ Cure™ Membrane
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## IMPLANTOLOGY

Sinus lift Augmentation				
Minimum Crest Height < 4-5mm		●●●	●●	●
Minimum Crest Height > 5mm			●●●	●
Vertical Ridge Augmentation		●●●		●
Horizontal Alveolar Ridge Augmentation	●●	●●●	●●	●
Alveolar regeneration - Extraction socket				
Without implant placement	●●●		●●	●
With implant placement	●●		●●●	●

## PERIODONTOLOGY

Infra-osseus pockets	●●●		●●	●
Furcations			●●●	●

## OTHERS

Autograft Extender	●●	●●●		
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## MBCP+™ Granules S



## MBCP+™ Granules L



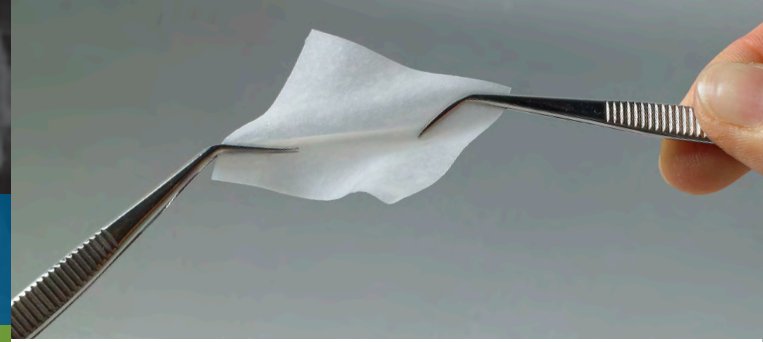
## In'Oss™ Putty



ISO 13485  
Medical Device Class: III  
Read the instructions for use

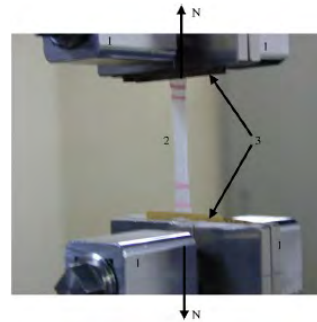
Manufacturer :  
**Biomatlante**  
ZA Les Quatre Nations  
5 Rue Edouard Belin  
44360 Vigneux de Bretagne  
France





### Elastic and Soft

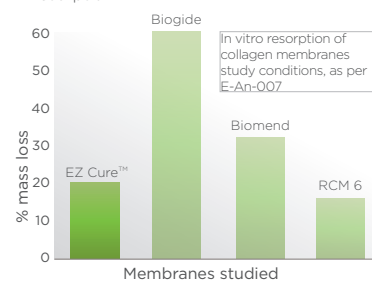
EZ Cure™ is derived from an original extraction process and offers excellent handling properties. Its adaptability to different bone geometries simplifies the surgical act.



EZ Cure™ membrane is the result of a specific technology and represents the 'new generation' of resorbable membranes

### % Resorption at 3 months\*

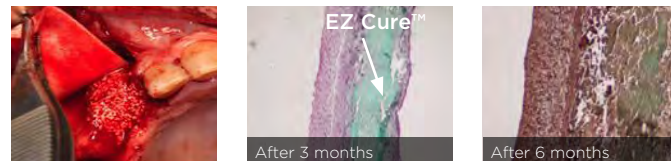
The greater the loss of membrane mass, the faster it is resorbed. EZ Cure™ demonstrates a stable and controlled resorption.



### Barrier Function Maintain

EZ Cure™ is a cross-linked collagen membrane that combines resorption control and flexibility.

EZ Cure™ ensures a barrier function for a minimum of 3 months in order to prevent connective or epithelial cells from colonising the surgical site during the healing period.



Dr. S. Bechara, Lithuania

Resorption of the membrane EZ Cure™ *in vivo*\*

### Safety

EZ Cure™ is a highly purified natural collagen product. Phylogenetically, porcine collagen is the closest to human collagen. A process of viral and bacterian inactivation is part of the process of extraction and purification. The natural collagen structure of EZ Cure optimizes soft tissue attachment.

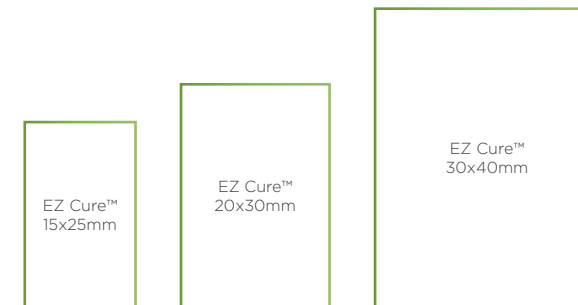


### EZ Cure™

- Flexible and adaptable to varying bone topographies
- Great tissue adherence
- Conservation of the fibrous structure (mechanical strength)
- Cell occlusive
- Easy to cut to size, shape and apply
- No need to tack or suture the material- Incredibly tear resistant

ISO 13485  
Read the instructions for use  
Medical Device Class: III

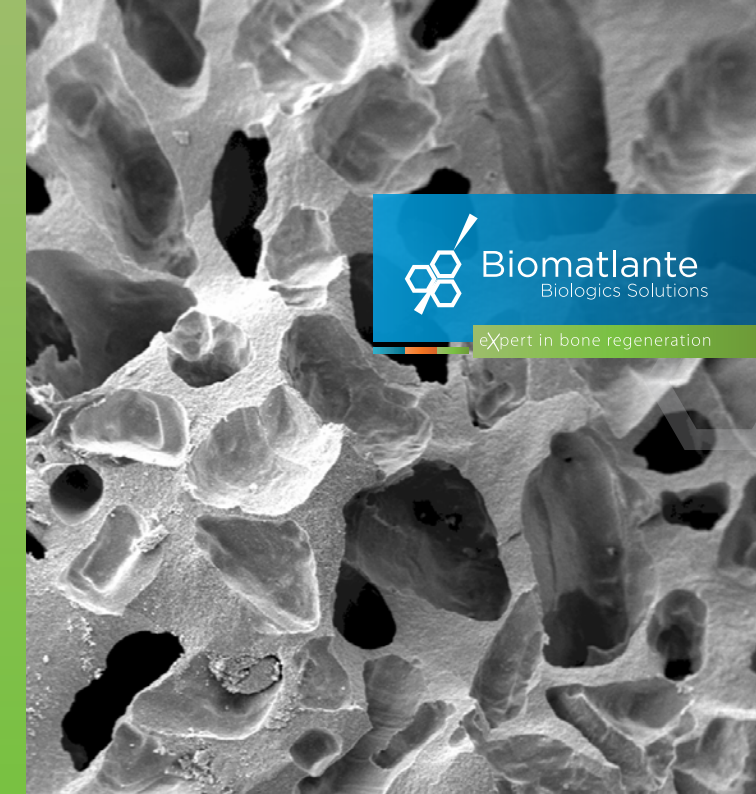
**CE** 0499



\*Data on files, Biomatlante

# EZ Cure™

**Guided Bone Regeneration**  
Flexible Resorbable Membrane



# MBCP+™

**Micro Macroporous Synthetic Bone Graft**  
Natural Way to maintain healthy bone