



RE-BONE®

*BIOMATERIALS*

 **UBGEN** | SPECIALISTS OF  
BONE SURGERY  
IN DENTISTRY

# THE BEST WAY TO PREDICT THE FUTURE IS TO INVENT IT

## The future of biomaterials according to UBGEN®

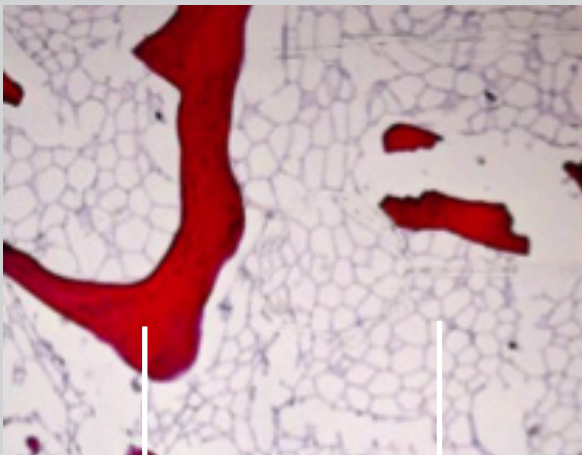
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**RE-BONE®** is the first bone substitute of **bovine origin** processed at low temperature and entirely produced in Italy, which obtained the CE Certification.

Unlike our competitors who either use bone substitutes of bovine origin treated at high temperature or do not even use bovine raw material, we do combine the winning characteristics of bovine bone substitutes, with the ones of our **unique production process** called **Thermagen®**, that solves all the different issues deriving from high temperature processing.

Thanks to this characteristic our customers can obtain benefits in terms of **high biocompatibility**, higher porosity granules, better stability due to volume maintenance, absence of ceramization with raw material **total reabsorption** and the conservation of the main bone markers. These advantages can only be obtained with Thermagen®, our bone low temperature processing.

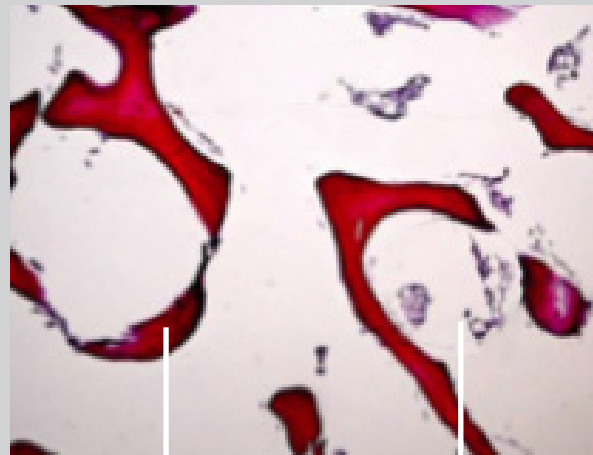
*Hematoxylin/eosin coloring  
Histologic section of untreated bovine bone (20x).*



Bone Tissue

Adipose Tissue

*Hematoxylin/eosin coloring  
Histologic section of RE-BONE®.*



Bone Tissue

Adipose Tissue

THE REAL INNOVATION FOR BIOMATERIALS IS

# THERMAGEN®

THE PRODUCTION PROCESS THAT ALLOWS US TO  
PROCESS THE BOVINE AT LOW TEMPERATURE

## Main surgical applications of RE-BONE

1



**MAINTENANCE OF  
THE ALVEOLUS  
AND THE BONE  
CREST.**

2



**SINUS LIFT  
SURGERY.**

3



**HORIZONTAL  
INCREASE IN  
TWO-WALL  
DEFECTS.**

4



**VERTICAL  
INCREASE IN  
TWO-WALL  
DEFECTS.**

Maxillofacial surgery, implantology, periodontics, endodontic surgery, Guided Bone Regeneration (GBR) and Guided Tissue Regeneration (GTR), especially in the maintenance of post-extraction alveolus and of the bone crest, maxillary sinus lift, horizontal increase in two-wall defects, vertical increase in two-wall defects, dehiscences and fenestrations in peri-implant lesions and bone regeneration in periodontal surgery.

PRODUCT	CODE
RE-BONE granules vial cortico-cancellous 0,25g - 0,25-1 mm	BM01A (pack of 1) BM01A6 (pack of 6)
RE-BONE granules vial cortico-cancellous 0,5g - 0,25-1 mm	BM01B (pack of 1) BM01B6 (pack of 6)
RE-BONE granules vial cortico-cancellous 1g - 0,25-1 mm	BM01C (pack of 1) BM01C6 (pack of 6)
RE-BONE granules vial cortico-cancellous 2g - 0,25-1 mm	BM01D (pack of 1) BM01D6 (pack of 6)
RE-BONE granules vial cortico-cancellous 0,5g - 1-2 mm	BM01E (pack of 1) BM01E6 (pack of 6)
RE-BONE granules vial cortico-cancellous 1g - 1-2 mm	BM01F (pack of 1) BM01F6 (pack of 6)
RE-BONE granules vial cortico-cancellous 2g - 1-2 mm	BM01G (pack of 1) BM01G6 (pack of 6)
RE-BONE granules vial cortico-cancellous 5g - 1-2 mm	BM01H (pack of 1) BM01H6 (pack of 6)
RE-BONE granules vial cancellous 0,25g - 0,25-1 mm	BM01I (pack of 1) BM01I6 (pack of 6)
RE-BONE granules vial cancellous 0,5g - 0,25-1 mm	BM01J (pack of 1) BM01J6 (pack of 6)
RE-BONE granules vial cancellous 1g - 0,25-1 mm	BM01K (pack of 1) BM01K6 (pack of 6)
RE-BONE granules vial cancellous 2g - 0,25-1 mm	BM01L (pack of 1) BM01L6 (pack of 6)
RE-BONE granules vial cancellous 0,5g - 1-2 mm	BM01M (pack of 1) BM01M6 (pack of 6)
RE-BONE granules vial cancellous 1g - 1-2 mm	BM01N (pack of 1) BM01N6 (pack of 6)
RE-BONE granules vial cancellous 2g - 1-2 mm	BM01O (pack of 1) BM01O6 (pack of 6)
RE-BONE granules vial cancellous 5g - 1-2 mm	BM01P (pack of 1) BM01P6 (pack of 6)

PRODUCT	CODE
RE-BONE 0.25g syringe for 0.25-1mm granules	BM03A
RE-BONE 0.5g syringe for 0.25-1 mm granules	BM03B
RE-BONE 0.5g syringe for 1-2 mm granules	BM03C

PRODUCT	CODE
RE-BONE 10x10x10 mm block	BM02A (pack of 1)
RE-BONE 10x10x20 mm block	BM02B (pack of 1)



Cod. BM02



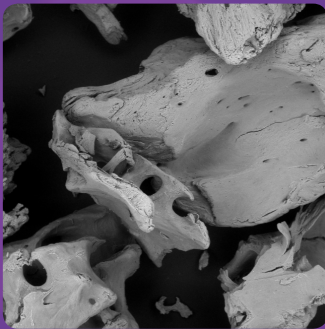
Cod. BM01



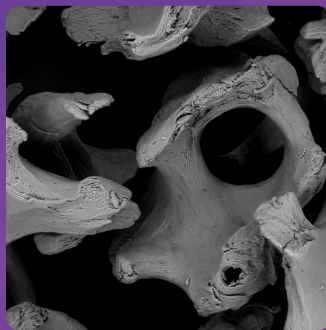
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## The choice of the raw material

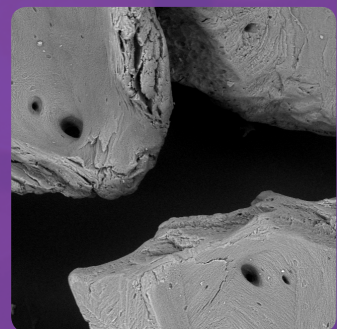
RE-BONE is obtained solely from the **epiphyses** of **bovine** femurs that are carefully selected by ISO certified slaughterhouse that guarantees a maximum age of **twenty-four-month cattle**, which is born, raised and bred in Italy.



RE-BONE® 100x granules



RE-BONE® 195x granules



RE-BONE® 300x granules



Antonio Scarano, Felice Lorusso, Merla Arcangelo, Camillo D'Arcangelo, Renato Celletti And Pablo Santos De Oliveira. Lateral Sinus Floor Elevation Performed With Trapezoidal And Modified Triangular Flap Designs: A Randomized Pilot Study Of Post-Operative Pain Using Thermal Infrared Imaging

Antonio Scarano, Francesco Inchingolo, Giovanna Murmura, Tonino Traini, Adriano Piattelli, Felice Lorusso. Three-Dimensional Architecture And Mechanical Properties Of Bovine Bone Mixed With Autologous Platelet Liquid, Blood, Or Physiological Water: An In Vitro Study

Antonio Scarano. Maxillary Sinus Augmentation with Decellularized Bovine Compact Particles: A Radiological, Clinical, and Histologic. Report of 4 Cases.

Thomas Gilberta, Tiffany Sellaroa, Stephen Badylaka. Decellularization of tissues and organs.

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## Bibliography

