

# The Natural Replacement for Human Bone

## TISSUM Collagenated Bone Matrix

Porcine-derived, extracellular cancellous bone matrix for guided tissue regeneration.  
Product authorized by A.N.M.A.T. PM-2312-2



This porcine-derived biomaterial closely mimics the physiological properties of human bone. Enhanced by TISSUM Biomaterials' exclusive structural preservation technology, it ensures safe and effective bone regeneration.

### SUPERIOR QUALITY FROM THE SOURCE

The biomaterial is sourced from young animals raised under certified and traceable animal health conditions, ensuring optimal purity and safety.

### PRECISION-CONTROLLED PROCESSING

- Our advanced processing technology maintains the natural biological architecture of bone tissue, making TISSUM Collagenated Bone Matrix a highly remodelable biomaterial that accelerates bone regeneration and serves as a viable alternative to human-derived bone matrices.
- Each stage of our washing process is validated through residual DNA analysis to eliminate antigenic components while preserving biologically relevant structures. This ensures the development of biocompatible biomaterials suitable for implantology, meeting the highest quality standards in compliance with ISO 13485 and ISO 22442 international regulations.

### PRESENTATION

Code	Presentation	Particle Size
92 SUS-E N 0,25	0,25 g	(N) 210 - 1000 µm
93 SUS-E N 0,5	0,5 g	(N) 210 - 1000 µm
94 SUS-E N 1	1,0 g	(N) 210 - 1000 µm
125 SUS-E G 0,5	0,5 g	(G) 1000 - 2000 µm
126 SUS-E G 1	1,0 g	(G) 1000 - 2000 µm
56 SUS-E B 1	1	10 mm de lado
58 SUS-E B 3	3	20 x 20 x 10 mm
59 SUS-E B 4	4	20 x 10 x 10 mm
62 SUS-CE BCE 3	3	20 x 20 x 10 mm
63 SUS-CE BCE 4	4	20 x 10 x 10 mm

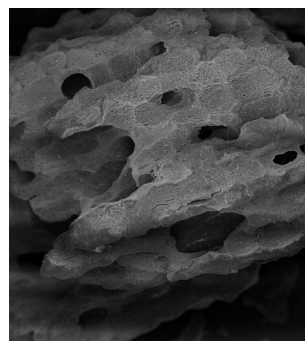
### BIOCOMPATIBLE COMPOSITION

TISSUM Collagenated Bone Matrix preserves native collagen bound to the mineral structure, and natural micro- and macropores that facilitate angiogenesis and osteoconduction, promoting effective bone regeneration.

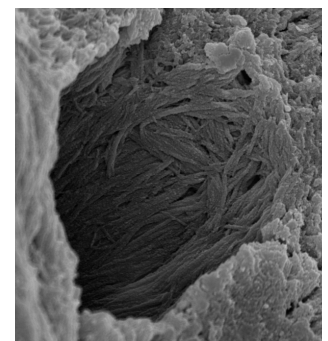
### CLINICAL APPLICATIONS

- Augmentation and filling of bone cavities
- Bone reconstruction and regeneration
- Post-extraction bone regeneration with immediate implant placement
- Maxillofacial surgery
- Alveolar ridge preservation
- Sinus floor augmentation
- Periodontal procedures

### MICROGRAPH



Bone Matrix Granule  
(20 µm)



Bone Matrix Pore  
(2 µm)