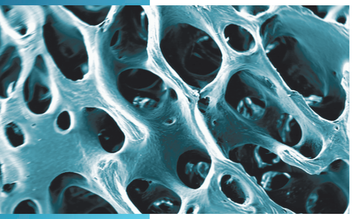
enzymaticdeantigenation

Bioteck

exclusive **deantigenation** process



Bioteck bone substitutes are obtained from equine bone tissue using an exclusive chemical-physical enzymatic deantigenation process. **The use of digestive enzymes** operating at physiological temperature (37°C) enables the complete elimination of the antigenic component of the tissue, without the mineral component undergoing any changes. The unmodified bone mineral phase is recognised as endogenous by the osteoclasts. The bone substitute consequently undergoes a total remodelling process, in the end being completely substituted by endogenous bone in physiological times. The best possible condition for osseointegrated implants.

enzymatic process at 37°C

beta ray **sterilisation**

safety and **quality**

total **biocompatibility**

complete **remodelling**

BIOTECK®
The science of bone tissue

Bioteck S.p.A.

Headquarter & Administration office:
Via E. Fermi, 49 - 36057 Arcugnano (VI) - Italy
ph. +39 0444 289366 - fax +39 0444 285272
e-mail: vi@bioteck.com - web: www.bioteck.com

Manufacturing Facility:
Via Giovanni Agnelli, 3
10020 Riva presso Chieri (TO) - Italy





Bioteck is a leading company in the manufacturing of heterologous grafts for Orthopedic Surgery and Maxillofacial and Oral Surgery. Founded in 1995, it has enjoyed constant growth thanks to its exclusive enzymatic deantigenation system at 37°C, which permits to achieve entirely safe grafts, preserving the original biological and biomechanical features of mammal bone.



A Guarantee of Quality and Safety





CE
0373



Bioteck manufactures and distributes its bone substitutes and membranes for Maxillofacial and Oral Surgery in more than 65 Countries:

BIO-GEN® - natural osteconductive bone substitutes featuring denatured bone collagen.
BIOCOLLAGEN® - natural collagen membranes, also available as gels, for guided bone regeneration.
OSTEOPLANT® - natural osteconductive bone substitutes featuring preserved, native bone collagen.

BIO-GEN®, BIOCOLLAGEN® and OSTEOPLANT® are Bioteck S.p.A. registered trademarks.

For more information:

CERTIFIED E Net MANAGEMENT SYSTEM
CSQ ISO 9001
CSQ MED ISO 13485

concept: mauro fortani - vi cod. 20121008_IOOINTOBGBC_ENG print: abalti.it

BIOTECK®
The science of bone tissue

safetybiocompatibility

osteoconduction

completeremodelling

natural bone substitute



bio-gen granules, gel, putty and blocks
osteoplant sheets and membranes
biocollagen gel and membranes

BIOTECK
The science of bone tissue



Granules

Bio-Gen granules are a total osteoclastic remodelling bone substitute, which can be used for all types of bone defects.

Clinical uses:
- recommended for small size, four walls bone defects (spongy)
- recommended for larger size bone defects (cortical)

Remodelling time:
- 4 - 6 months (spongy)
- 8 - 12 months (cortical)

BGS-05	*Bio-Gen cancellous granules*	6 btl 0.5 g ≈ 1 cc	500 - 1000 µm
BGS-09	*Bio-Gen cancellous granules*	6 btl 0.5 g ≈ 1 cc	1000 - 2000 µm
BGS-10	*Bio-Gen cancellous granules*	1 btl 0.5 g ≈ 1 cc	1000 - 2000 µm
BGS-11	*Bio-Gen cancellous granules*	6 btl 1 g ≈ 2 cc	1000 - 2000 µm
BGS-15	*Bio-Gen cancellous granules*	1 btl 0.5 g ≈ 1 cc	250 - 1000 µm
BGS-20	*Bio-Gen cancellous granules*	1 btl 2 g ≈ 4 cc	500 - 1000 µm
BGS-21	*Bio-Gen cancellous granules*	1 btl 2 g ≈ 4 cc	250 - 1000 µm
BGS-22	*Bio-Gen cancellous granules*	1 btl 2 g ≈ 4 cc	1000 - 2000 µm
BGS-23	*Bio-Gen cancellous granules*	6 btl 1 g ≈ 2 cc	2000 - 3000 µm
BGM-05	*Bio-Gen mix cancellous/cortical granules*	6 btl 0.5 g ≈ 1 cc	500 - 1000 µm
BGM-20	*Bio-Gen mix cancellous/cortical granules*	1 btl 2 g ≈ 4 cc	500 - 1000 µm
BGC-05	*Bio-Gen cortical granules*	6 btl 0.5 g ≈ 1 cc	500 - 1000 µm



Gel Granules

Bio-Gen Mix Gel is a mixture consisting of Bio-Gen Mix cortical-spongy granules and water-based gel. It is extremely practical and easy to use. It can be applied directly in the graft site. Useful for all defect types.

Clinical uses:
- recommended for all types of defect
- excellent for maxillary sinus lift (Summers)
- excellent for periodontal defects

Remodelling time:
- 4 - 6 months (spongy)
- 8 - 12 months (cortical)

BGM-GEL05	*Bio-Gen mix gel cancellous/cortical granules*	3 syr 0.5 ml	500 - 1000 µm
BGM-GEL1	*Bio-Gen mix gel cancellous/cortical*	3 syr 1 ml	500 - 1000 µm
BGM-GEL2	*Bio-Gen mix gel cancellous/cortical*	1 syr 2 ml	500 - 1000 µm



Putty

Bio-Gen Putty is a mouldable paste made of spongy Bio-Gen granules and collagen from Achilles' tendon. It's easily mouldable, haemostatic and sticks well to bone walls.

Clinical uses:
- recommended for small size, four walls bone defects (spongy)
- excellent for post-extractive sockets

Remodelling time:
- 4 - 6 months

BGP-01	*Bio-Gen Putty cancellous dry (lyophilized) paste*	6 btl 0.5 cc



Collagen Membrane

Biocollagen is a membrane made of Achilles' tendon collagen for guided bone regeneration. It is used to protect bone grafts.

Clinical uses:
- to protect grafted sites
- to hold in place granular grafts

Protection time:
- 4 - 6 weeks (after which degradation begins)

BCG-01	*Biocollagen Membrane*	*Collagen membrane*	6 btl 25 x 25 x 0.2 mm
BCG-04	*Biocollagen Membrane*	*Collagen membrane*	1 pc 40 x 30 x 0.2 mm



Collagen Gel

Biocollagen Gel is a gel made of collagen from Achilles' tendon and water-based gel. Some bone powder inside increases its thickness. It's easy to use, its application is precise. Has haemostatic action and, for small defects, acts as a membrane.

Clinical uses:
- excellent for filling periodontal defects

Protection time:
- 4 - 6 weeks (after which degradation begins)

BCG-GEL1	*Biocollagen Gel*	*Collagen gel*	3 syr 1 ml/syr

natural bonesubstitute



Cancellous Blocks

Bio-Gen Cancellous Block is a tough, rigid block. Its resistance to compression is very similar to natural bone's one. It can be shaped with rotating instruments, or drilled, without breaking. It must be fixed in place with screws or similar.

Clinical uses:
- vertical ridge augmentation (onlay) maxilla only
- vertical ridge augmentation (inlay)
- horizontal ridge augmentation

Remodelling time:
- 6 - 8 months

BGB-11	*Bio-Gen cancellous block*	1 pc. 10 x 10 x 10 mm
BGB-12	*Bio-Gen cancellous block*	1 pc. 10 x 10 x 20 mm
BGB-30	*Bio-Gen cancellous wedge*	1 pc. 25 x 10 x 5 mm (final 2 mm)



Cancellous or Cortical Flex Sheets

Osteoplant Cortical and Spongy Flex are flexible sheets, easy to handle. Since their contact with the receiving site is optimal, the risk of defective angiogenesis can be minimized. They have to be fixed with screws or similar devices.

Clinical uses:
- vertical ridge augmentation
- horizontal ridge augmentation
- sinus lift, to protect the Schneider membrane (spongy version only)

Remodelling time:
- 4 - 6 months (spongy)
- 8 - 12 months (cortical)

OTC-C1	*Osteoplant cortical flex*	1 pc 25 x 25 x 2-2.5 mm
OTC-S1	*Osteoplant cancellous flex*	1 pc 25 x 25 x 3 mm



Cortical Membrane

Osteoplant Cortical Membrane is a flexible cortical bone sheet that acts as a long lasting (> 6 months) resorbable membrane.

Clinical uses:
- protection of regenerated sites where regeneration is supposed to be slow (horizontal and vertical augmentation)

Protection time:
- 6 months (protection)
- 8 - 14 months (total remodelling)

OTC-CE	*Osteoplant cortical membrane*	1 pc 25 x 25 x 0.2 mm
OTC-CE2	*Osteoplant cortical membrane*	1 pc 50 x 25 x 0.2 mm