



PUTS WINGS ON YOU



2020 Biosta Product Catalog

Dental Part

TITAN-X[®]

MyBone[™]

DO BONE

Rafugen BMP2

Diaderm[®]

MyGis[™]

TITAN-X[®]

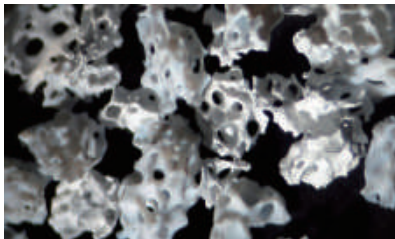
Xenograft, Bovine

Characteristics

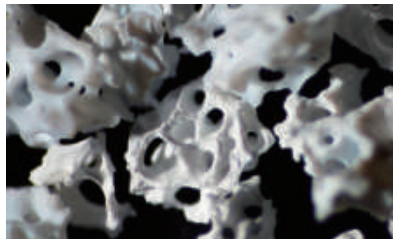
- Low-temperature processing technique allows ideal and natural surface topography that stimulates osteoblast activity same as human bone.
- Manufactured from the pure Cancellous bone that only can be acquired 1 KG from a calf.
- Pre HA structure and octacalcium phosphate crystal are found on the surface of Octabone that resulting in fast bone formation.
- Safety by eliminating 99% of the protein that can cause an immune response.
- Easy handling and apply in a variety of cases.
- Loved for a long time in Korean Dental market as No.1 Xenograft(Bovine)



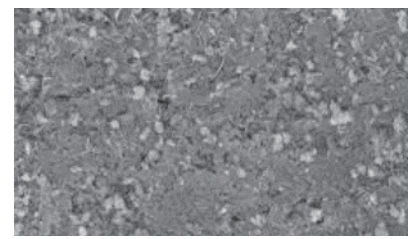
* CE & FDA



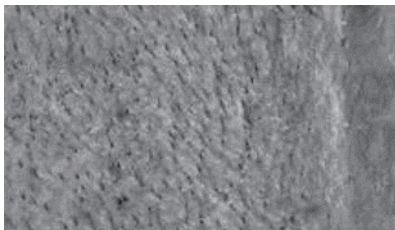
Granules



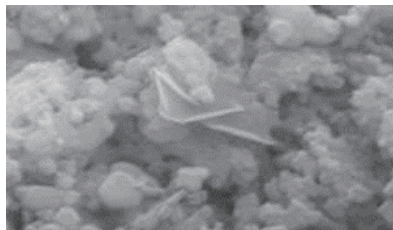
Multiporosity Ratio



SEMx5000



Natural Rough Surface Octacalcium Phosphate



Specification

Xenograft (Bovine)	Volume	Particle
TITAN-X [®]	0.25g(0.45cc)	0.2~1.0mm
	0.5g(0.8cc)	
	1.0g(1.5cc)	
	2.0g(3.0cc)	

Allograft by 100% Cortical

MyBone™ Powder

- is a freeze-dried allograft cortical bone without demineralization, preserving the bone regeneration factor and other factors of protein and minerals.



Characteristics

* Tissue Bank License

Safe raw material

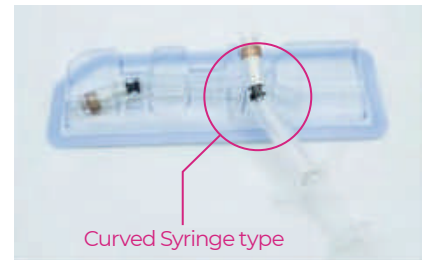
Use only the bones that are secured with safety from CTS Tissue bank which is No.1 bank

Quality guarantee

Process with strict quality control system in compliance with the latest regulations of Korean Ministry of Food and Drug Safety (MFDS), American Federation of Organized Banks (AATB) and the U.S Food and Drug Administration (FDA)

Curved Syringe type

curved syringe provides convenient surgery environment and leads better result



Allograft bone power

has Osteoinduction and Osteoconduction which are characteristic of allograft and also possesses excellent biocompatibility

Indication

- Periodontal defects / Intrabony defects / Ridge augmentation / Extraction sites(Implant placement) / Sinus lift

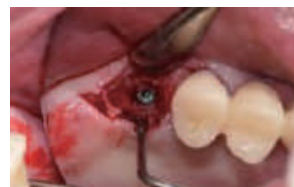
Clinical Case



After extraction



Fill in MyBone™ easily with curved syringe



After insertion of MyBone™



Confirm stable bone regeneration

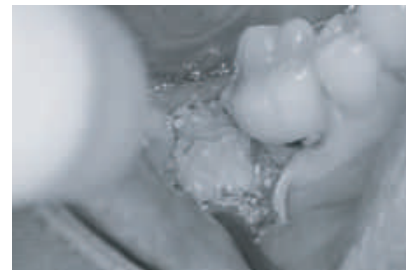
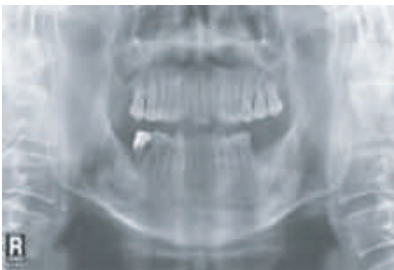
Specification

Allograft	Volume	Particle size
MyBone™	0.3cc	425~850µm
	0.5cc	
	1.0cc	

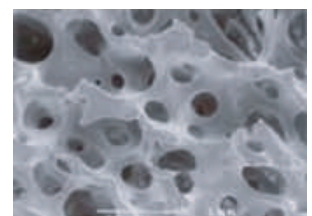




qualified



Specification

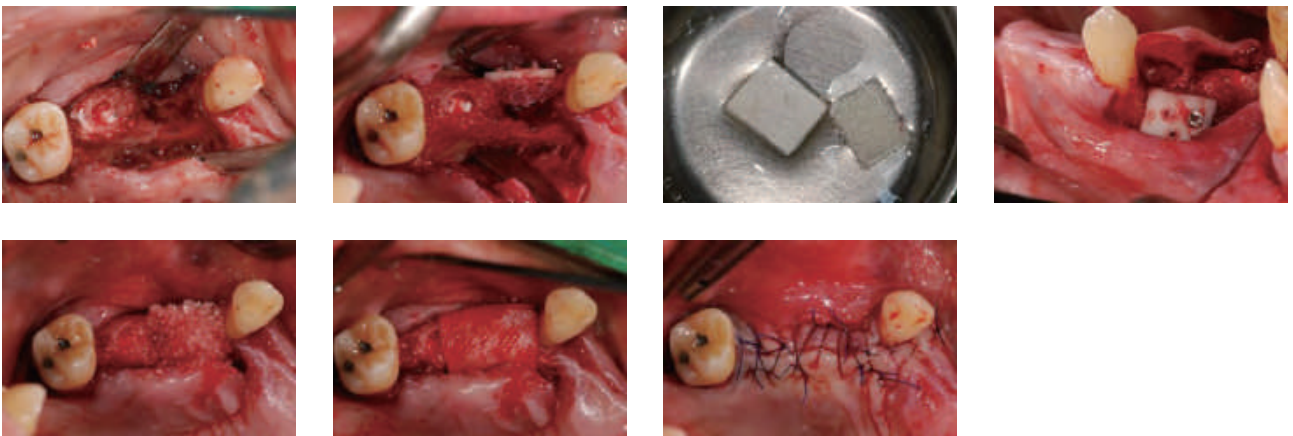


DO BONE

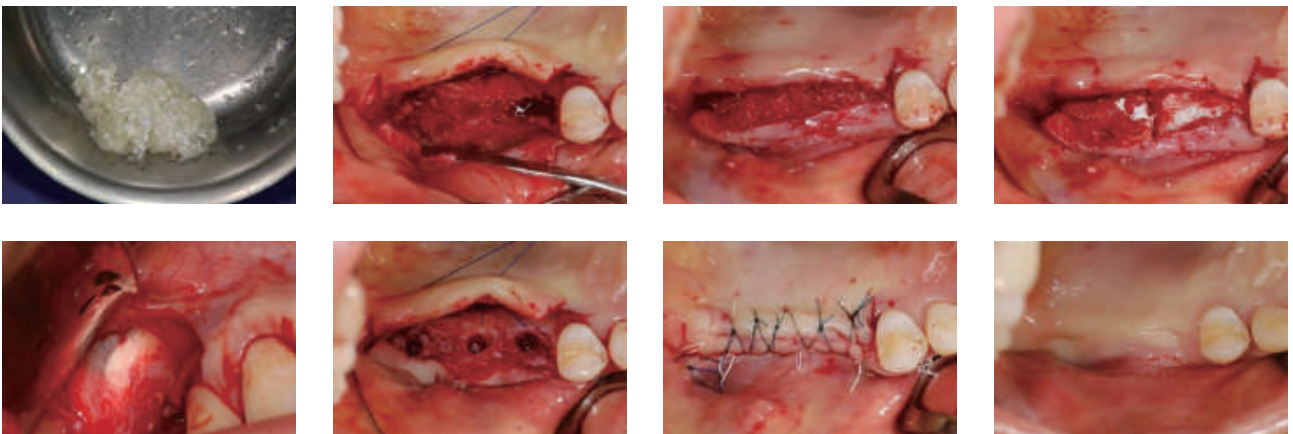
Allograft by Cortical 7 & Cancellous 3



Clinical Case 1



Clinical Case 2



Rafugen BMP2

rhBMP2 + DBM + Natural Polymer

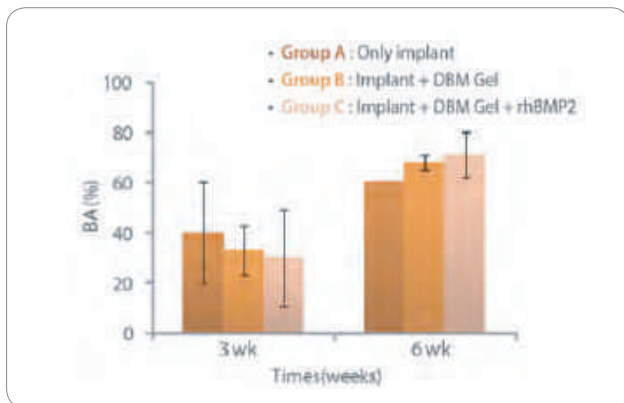
BMP2 from CHO Cell is superior to BMP2 from other materials in the formation of new bone.



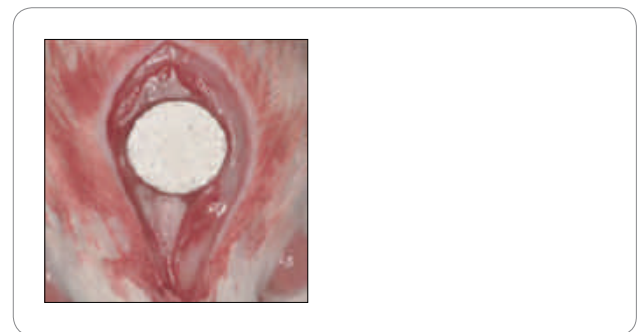
Characteristics

- Unlike BMP2 from E.Coli, Rafugen BMP2 is structurally identical to Human Protein.
- 5 to 25 times more activity compared to BMP2 from E.Coli
- Promotes osteogenesis by similarity to Human BMP2 and lower decomposition rate.
- Has a very low human immune response

Dental Implantation Test

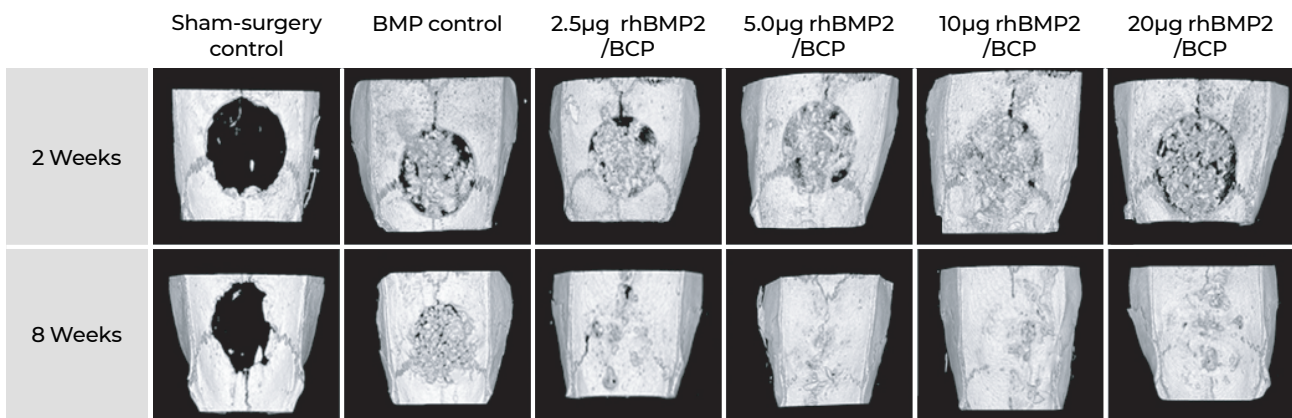


Efficacy of Rafugen BMP2



- Rafugen BMP2 shows the highest bone formation ratio after 6 weeks

Activity Test of Osteoinductivity



Specification

	Volume
Rafugen BMP2	0.1cc
	0.25cc
	0.3cc
	0.5cc

Biodegradable AteloCollagen Membrane

Characteristics

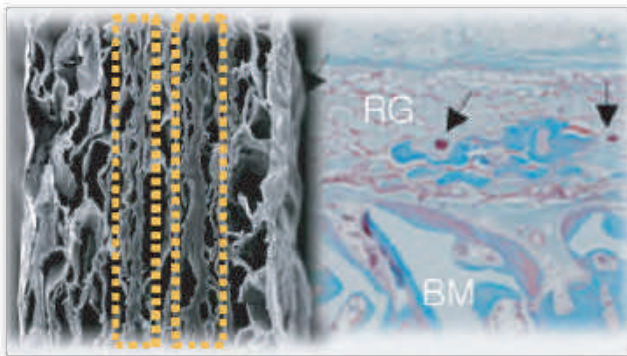
*CE

CE

- Provides the form of optimal tissue structure to promote the attachment and proliferation of osteoblast cells.
- Better biocompatibility and safety.
- Cell penetration barrier functions to help in formation of the new bone.
- Easy to handle and absorbable.
- Crosslinked for the resistance to enzymatic degradation.



Optimized Structure



Enzymatic degradation Test



Diaderm® is composed of porous structures in the upper and lower sections and dense membrane structures in the middle to provide the best Tissue regeneration environment.

Also the structure also provides the best environment for the formation of new blood vessels.

Stable Property



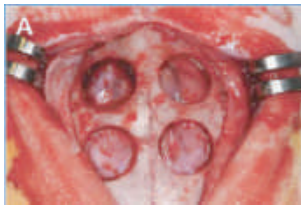
Specification

Membrane	Size
Diaderm®	15 x 30mm

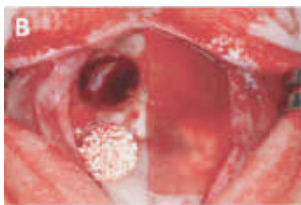
Biodegradable AteloCollagen Membrane



Animal Test

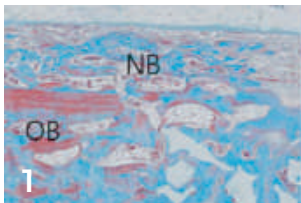


A. Circular defect (=8mm) were created in each calvarium of 12 male white rabbits, and four group were randomly assigned to the defects.



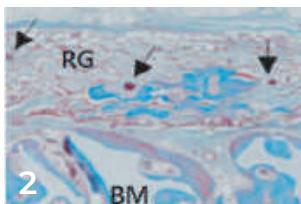
B. Random assignment of the defects clockwise from top left-control group, collagen membrane only(CM), bone graft with collagen membrane (B-CM) and bone graft only (BG).

Specimens were harvested at 2 and 8 weeks postoperatively for histologic and histometric analysis



1. Histologic view of Diaderm[®] showing new bone(NB) integrated to the network of collagen membrane.

*NB(New Bone), OB(Native bone)



2. Histological analysis shows newly generated vasculature and new bone integration into the bone defect site at PO 8 weeks.

*BM(Bone materials), RG(Diaderm[®])

Clinical Case



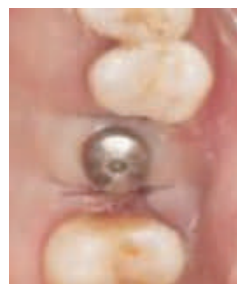
Insert Implant



Fill in bone materials



Application of Diaderm[®]



Close with healing abutment



Confirmed to increase bone formation and implant integration after 4 months

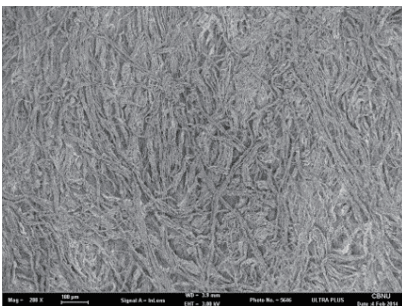
Better quality Pericardium Membrane

Characteristics

- Optimize natural collagen structure leads rare dehiscence
- Prevent epithelial cell migration
- Maintain space for bone regeneration
- Appropriate resorption time (3~5 months)
- Easy to handle (No up and down)
- Better tissue integration

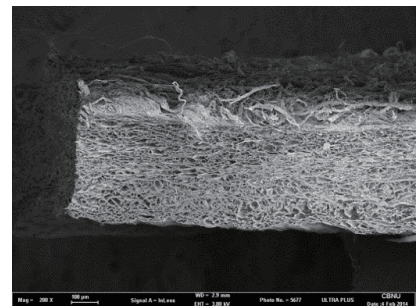


Optimized collagen structure



◀ The plain (MyGis™)

The cross-section (MyGis™) ▶



Clinical Case



Specification

Membrane	Size
MyGis™	15 x 20mm
	20 x 30mm
	30 x 40mm



BIOSTA is committed to satisfy all professionals around the world and provides better quality life to all people who meet Biosta by serving the certain and safe advanced biomaterials for the all clinical situation that you meet every day as dealing with only the products that can satisfy our family.



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