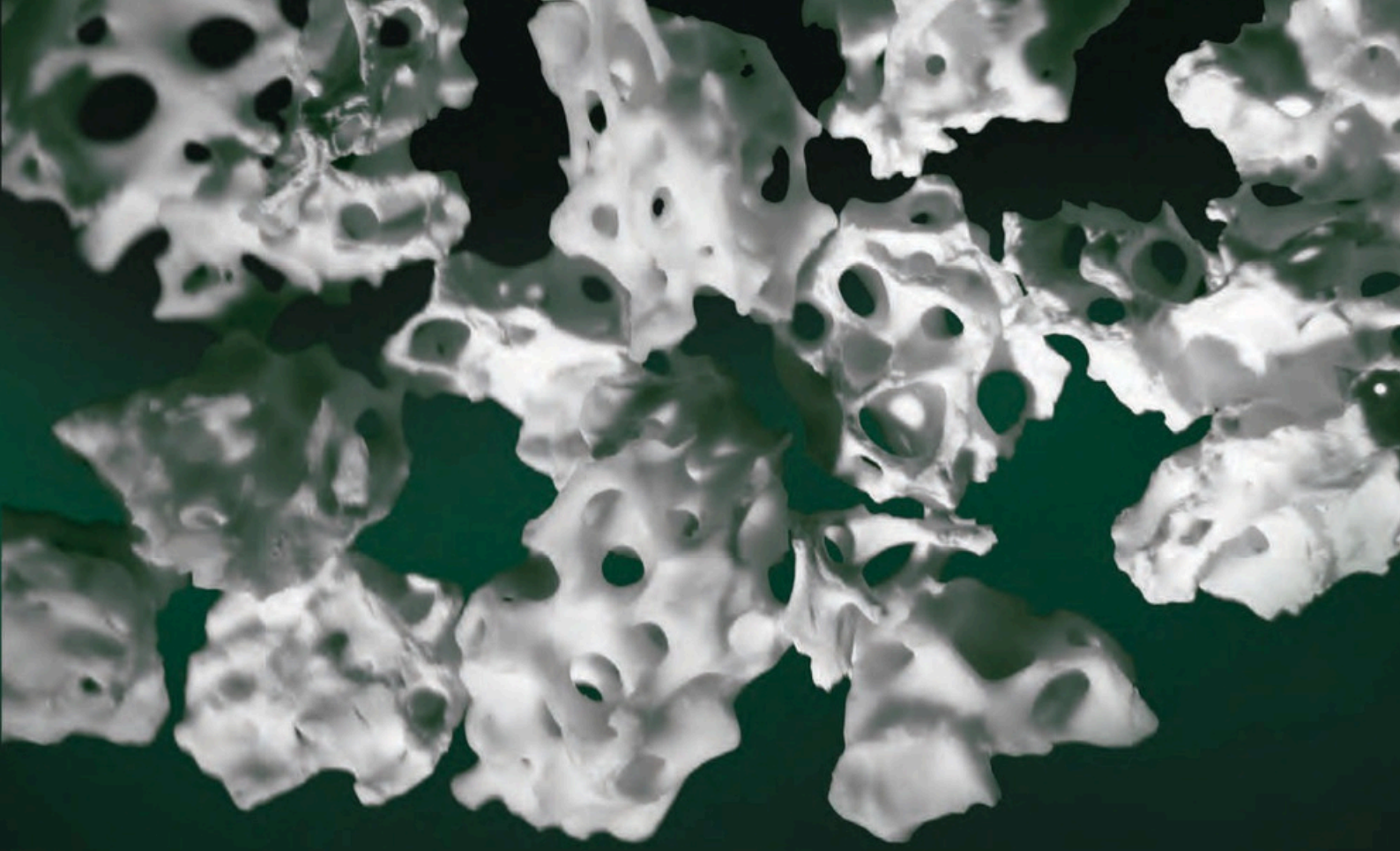


Octabone

Leading regeneration with quality, reliability, affordability

Manufactured with the highest quality standard moves your practice to high success rate and safety.

Chiyewon

Octabone®, natural bovine cancellous substitute becomes

New GOLD STANDARD in Xenograft.

Bone Graft

Octabone® Vial

Octabone®, made from 100% BSE-free approved Australian Bovine bone origin, is a biocompatible, highly porous, inorganic mineral matrix designed for dental regenerative applications.

Octabone® was developed as a more economical alternative to Ti-oss®, which is positioned in the premium segment in terms of both quality and price.

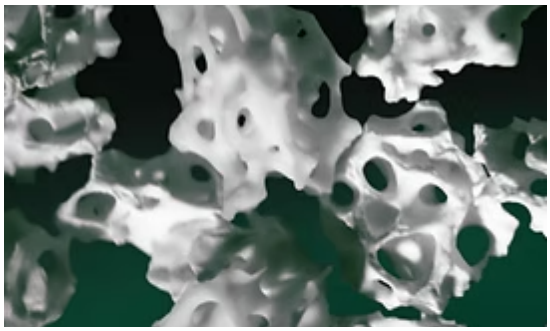
It shares the same high porosity and surface roughness as Ti-oss®, providing an optimal environment for revascularization and fibrin network formation. The key distinction is the amount of OCP (osteopromoting factor) in each product. Ti-oss® is rich in OCP, while Octabone® only has a nil amount on its surface.

Our manufacturing technical level and Octabone® quality

Do not allow comparison to any products in the world.

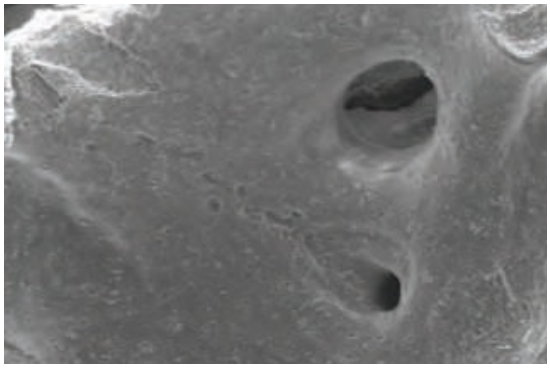
Multiporosity

Octabone® is made from 100% cancellous bone without any cortical portion.
Innovative pulverizing technique allows multiporous structure, maximizing blood vessel ingrowth.



Pore size

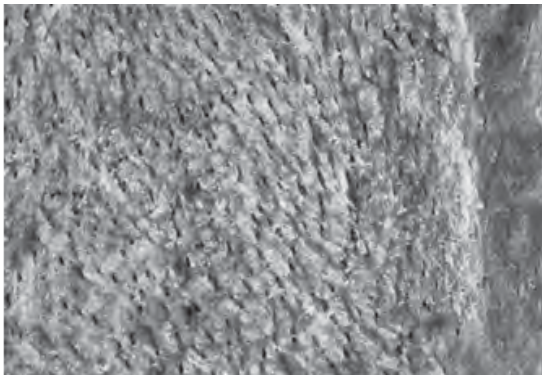
(Octabone® SEM image x 100)



(A Co. SEM image x 100)

Osteoconductive

Low temperature processing technique allows ideal, natural surface topograph, the same as human bone, stimulating osteoblast activity.
Vitrification phenomenon caused by high temperature process has been completely controlled.



(SEM image x 3,000)

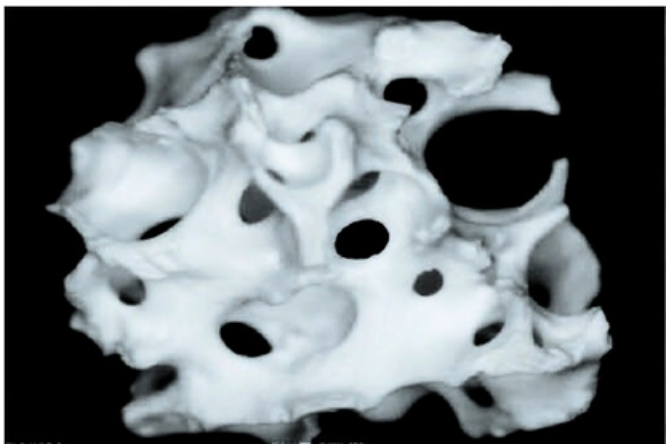
Large Volume

Unique 100% multiporous cancellous nature offers higher quantitative mass volume per gram unit, compared to other non porous product. This leads to less material cost.

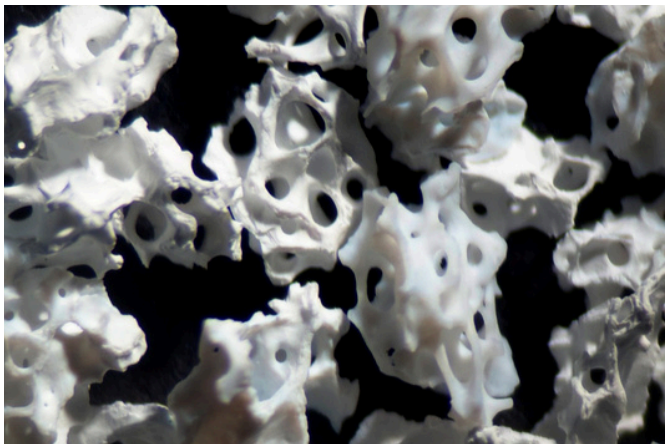
(Comparison of CC per gram)

Microscopic Comparison

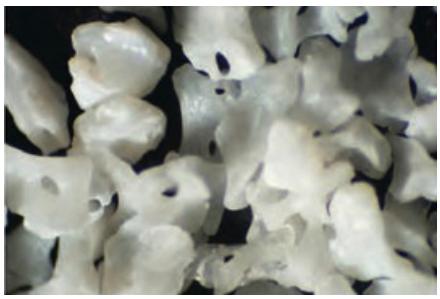
Octabone® multiporosity allows maximum angiogenic process, which is critical in first 2 weeks of initial bone healing stage. Osteoblast, oxygen, nutrients can not be supplied into the graft without blood vessel. Octabone® guarantees maximum revascularization into the graft, leading to high bone formation



Gold Standard - Multiporosity



Uniformity of Octabone®

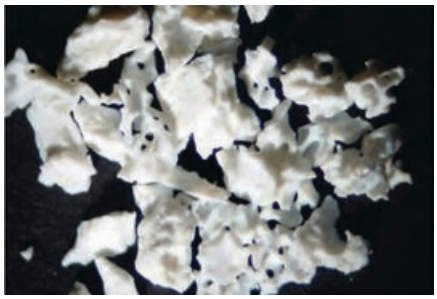


"A" Co. Nonporous Glassified Surface

"A" Co. Damaged Porosity

"A" Co. All Cortical Particles

"B" Co. Nonporous Glassified



"C" Co. Cortical Particle Included

Octabone® Biocompatibility and effectiveness in bone formation

Article 3 - Histomorphometric Study on Healing of Critical Sized Defect in Rat Calvaria Using Two Different Bovine Grafts (results)

Khvan Ekaterina, Sun-Jong Kim, Ji-Youn Kim, Myung-Rae Kim, Yemi Kim, Sung O. Kim
Department of Implant Dentistry, Graduate School of Clinical dentistry, Ewha Womans University.

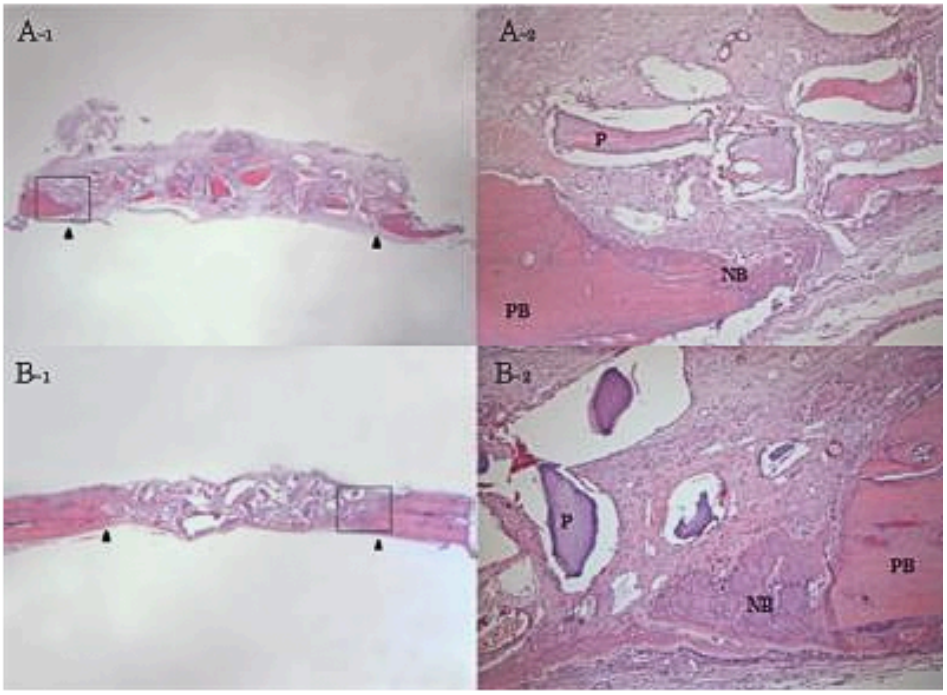


Figure 1.
AT 2 WEEKS
(H&Ex10, x100)

A: OCS-B®
B: Octabone®

Arrow head: defect margin
NB: new bone
P: bone graft particle
PB: pre-existing bone

RESULTS:
Histomorphometric analysis showed the statistically significant difference between the groups ($p<0.05$) with a mean bone formation of 0.19 ± 0.04 mm (4.75%) for OCS-B® group, 0.26 ± 0.04mm (6.5%) for Octabone® group at 2 week healing period.

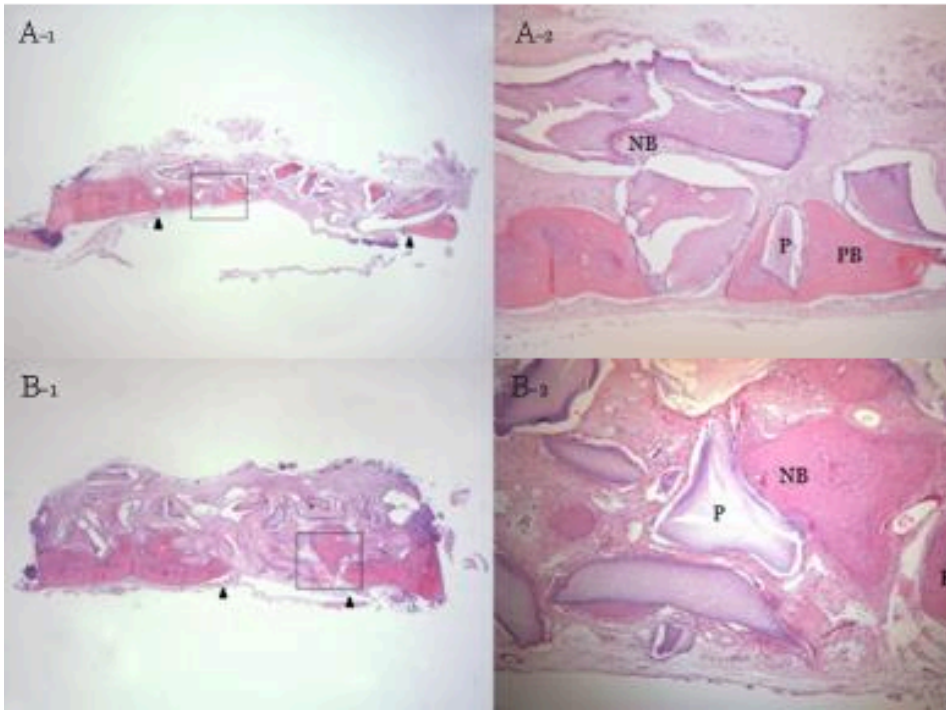


Figure 2.
AT 8 WEEKS
(H&Ex10, x100)

A: OCS-B®
B: Octabone®

Arrow head: defect margin
NB: new bone
P: bone graft particle
PB: pre-existing bone H-E stain

RESULTS:
At 8 weeks, a mean bone formation of 1.12 ± 0.11 mm (28%) for OCS-B® group, 1.50 ± 0.28 mm (37.5%) for Octabone® group showed the statistically significant difference ($p<0.05$).

Ti-OSS®
CANCELLOUS SUBSTITUTE

Octabone

Premium Brand

Cost-Effective Brand

Ti-oss® Bone Substitute - Vial Type

Re	Code	Product/Weight		Size
1	25-0512	Ti-oss®	0.25g/0.6CC	0.5-1.2mm
2	05-0512	Ti-oss®	0.5g/1.2CC	0.5-1.2mm
3	10-0512	Ti-oss®	1.0g/2.3CC	0.5-1.2mm
4	20-0512	Ti-oss®	2.0g/4.5CC	0.5-1.2mm
5	25-1217	Ti-oss®	0.25g/0.75CC	1.2-1.7mm
6	05-1217	Ti-oss®	0.5g/1.5CC	1.2-1.7mm
7	10-1217	Ti-oss®	1.0g/3.0CC	1.2-1.7mm
8	20-1217	Ti-oss®	2.0g/6.0CC	1.2-1.7mm
Economic Line				
9	25-0210	Ti-oss®	0.25g/0.45CC	0.2-1.0mm
10	05-0210	Ti-oss®	0.5g/0.8CC	0.2-1.0mm
11	10-0210	Ti-oss®	1.0g/1.5CC	0.2-1.0mm
12	20-0210	Ti-oss®	2.0g/3.0CC	0.2-1.0mm

Octabone ® Bone Substitute - Vial Type

Re	Code	Product/Weight		Size
1	25-0512	Octabone®	0.25g/0.6CC	0.5-1.2mm
2	05-0512	Octabone®	0.5g/1.2CC	0.5-1.2mm
3	10-0512	Octabone®	1.0g/2.3CC	0.5-1.2mm
4	20-0512	Octabone®	2.0g/4.5CC	0.5-1.2mm
5	25-1217	Octabone®	0.25g/0.75CC	1.2-1.7mm
6	05-1217	Octabone®	0.5g/1.5CC	1.2-1.7mm
7	10-1217	Octabone®	1.0g/3.0CC	1.2-1.7mm
8	20-1217	Octabone®	2.0g/6.0CC	1.2-1.7mm
Economic Line				
9	25-0210	Octabone®	0.25g/0.45CC	0.2-1.0mm
10	05-0210	Octabone®	0.5g/0.8CC	0.2-1.0mm
11	10-0210	Octabone®	1.0g/1.5CC	0.2-1.0mm
12	20-0210	Octabone®	2.0g/3.0CC	0.2-1.0mm

Ti-oss® Bone Substitute - Syringe Type

13	S25-0512	Ti-oss®	0.25g/0.6CC	0.5-1.2mm
14	S05-0512	Ti-oss®	0.5g/1.2CC	0.5-1.2mm
15	S25-1217	Ti-oss®	0.25g/0.75CC	1.2-1.7mm
16	S05-1217	Ti-oss®	0.5g/1.5CC	1.2-1.7mm
Economic Line				
17	S25-0210	Ti-oss®	0.25g/0.45CC	0.2-1.0mm
18	S05-0210	Ti-oss®	0.5g/0.8CC	0.2-1.0mm

Octabone® Bone Substitute - Syringe

13	S25-0512	Octabone®	0.25g/0.6CC	0.5-1.2mm
14	S05-0512	Octabone®	0.5g/1.2CC	0.5-1.2mm
15	S25-1217	Octabone®	0.25g/0.75CC	1.2-1.7mm
16	S05-1217	Octabone®	0.5g/1.5CC	1.2-1.7mm
Economic Line				
17	S25-0210	Octabone®	0.25g/0.45CC	0.2-1.0mm
18	S05-0210	Octabone®	0.5g/0.8CC	0.2-1.0mm

Ti-oss® Bone Substitute - Block Type

19	BLK8812	Ti-oss® Block	8 x 8 x 12mm
20	BLK8825	Ti-oss® Block	8 x 8 x 25mm

Octabone® Bone Substitute - Block Type

19	BLK8812	Octabone® Block	8 x 8 x 12mm
20	BLK8825	Octabone® Block	8 x 8 x 25mm

Ti-OSS® Guide

Ti-oss® Guide - Biodegradable Collagen Membrane

21	DTG-10002	Ti-oss® Guide	15 x 30mm

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