

A-GRAFT

BONE GRAFT MATERIAL

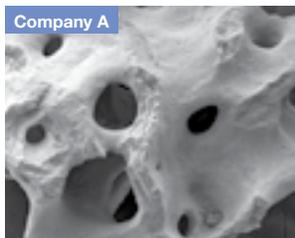
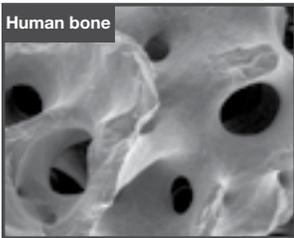
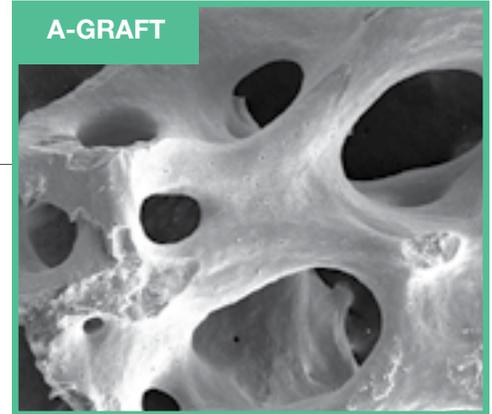
The XENOGRAFT grafting material most similar to human bone

STRUCTURE

A-GRAFT is the xenograft most similar to human bone

A-GRAFT's matrix is ideal for the regeneration of bone tissue

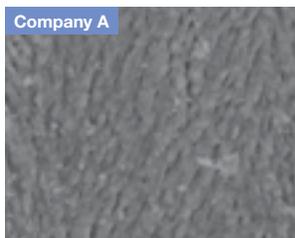
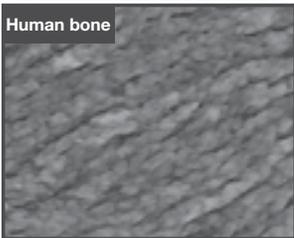
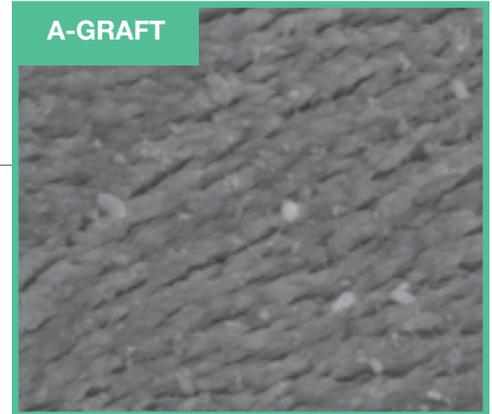
The A-GRAFT's poreous structure is very similar to human bone, channeling the body's natural bone building factors throughout the graft.



A-GRAFT poreous structure (SEM x50) is the most similar to human bone when compared to certain competitors.

Surface morphology allows protein absorption enhancing osteoblasts attachment.

Bone forming cells easily attach and proliferate on the A-GRAFT surface. The porosity allow for the body's natural growth factors to bath the attached cells for predictable bone growth.



Microscopic inspection (SEM x3000) of the A-GRAFT's compares how similar the surface morphology is to human bone.

ABILITY

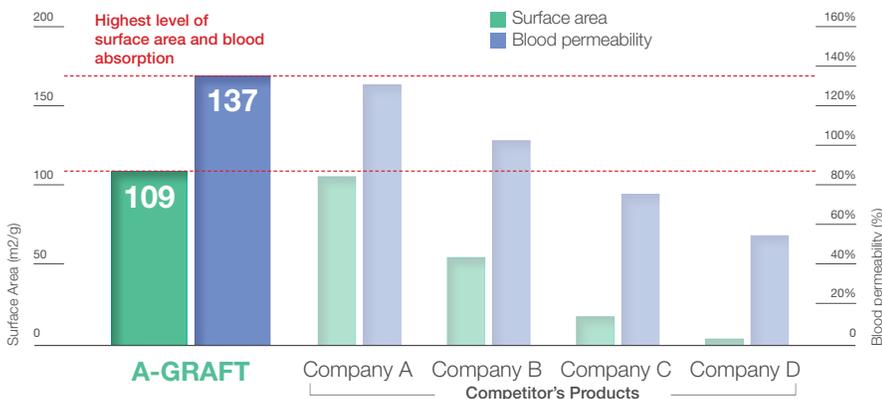
A-GRAFT is optimal for new bone growth

Excellent aborption properties

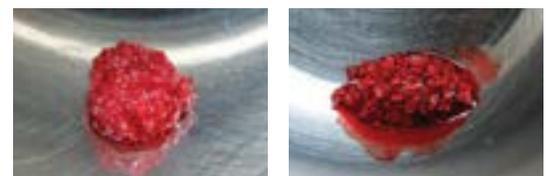
A-GRAFT's porosity and large surface area ensures that the body's natural fluids penetrate throughout the entire graft.



Quantitative comparision of surface area and blood absorption



Comparing the ability to absorb blood.

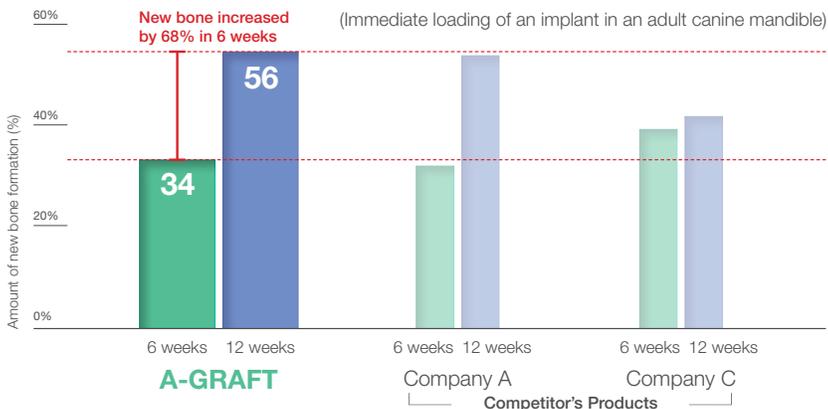


Company A Company C
Competitor's Products

Excellent new bone formation

A-GRAFT's excellent absorption capabilities ensure healthy and predictable bone formation.

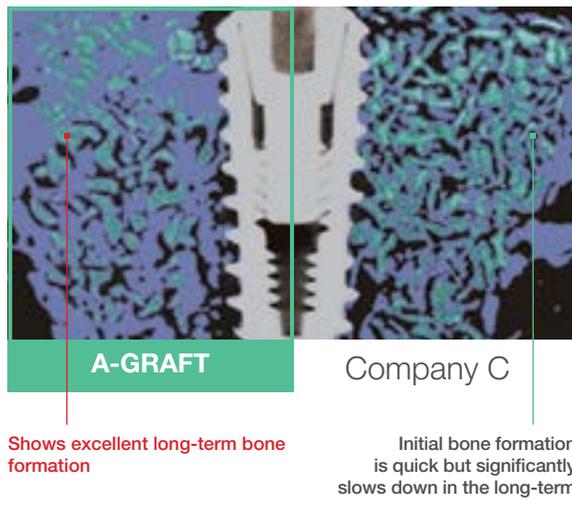
Quantitative comparison of new bone formation at 6 and 12 weeks.



MicroCT evaluation 12 weeks after grafting.

(Immediate loading of an implant in an adult canine mandible)

■ New bone ■ Graft material ■ Soft tissue



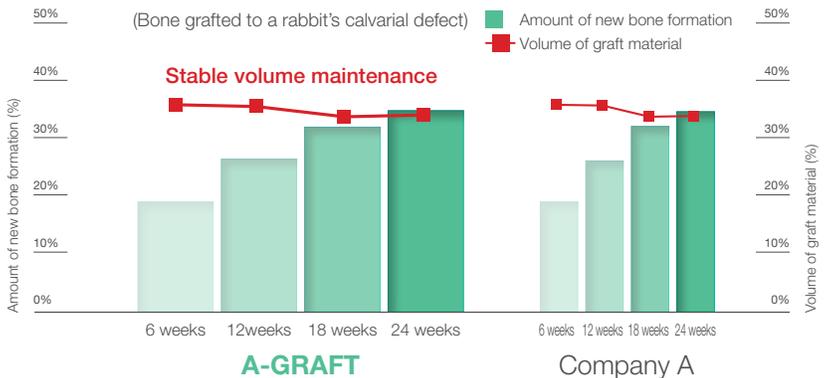
STABILITY

Successful bone grafting with A-Graft

Stable volume maintenance

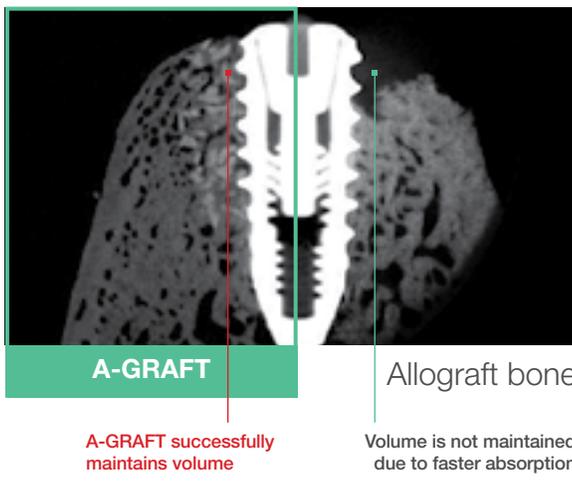
A-GRAFT's provides excellent structural stability for space maintenance and scaffolding, fostering healthy and predictable bone formation.

Comparison of volume maintenance and bone formation



Radiographic comparison of volume maintenance

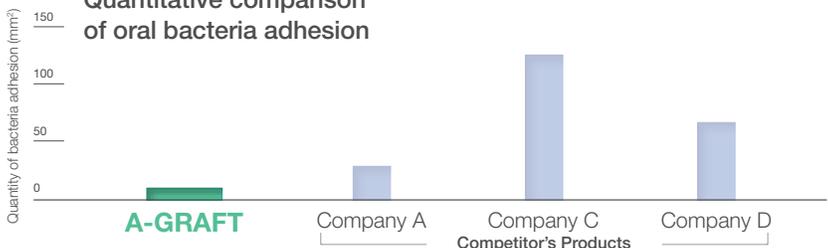
(Immediate loading of an implant in an adult canine mandible)



Lower immune response

Oral bacteria has less affinity to the A-GRAFT, which significantly reduces the risk of inflammation.

Quantitative comparison of oral bacteria adhesion



Fluorescent microscopy comparison of oral bacterial adhesion

(Graft samples were exposed to the same oral bacteria for 15 min.)



A-GRAFT

- DBB (Deproteinized Bovine Bone)
- Osteoconduction
- Excellent volume maintenance
- Excellent biocompatibility
- Manufacturer: Osstem Implant Co., Ltd., South Korea

g \ Particle Size 0.25~1.0mm

0.1(0.2cc)	BBS01
0.25(0.5cc)	BBS02
0.5(1.0cc)	BBS05
1.0(2.0cc)	BBS10
2.0(4.0cc)	BBS20

g \ Particle Size 1.0~2.0mm

0.1(0.3cc)	BBL01
0.25(0.75cc)	BBL02
0.5(1.5cc)	BBL05
1.0(3.0cc)	BBL10
2.0(6.0cc)	BBL20

