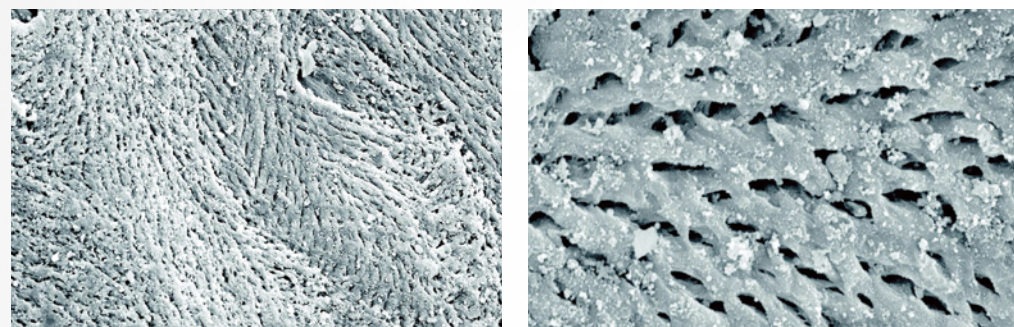


Concept of customized Bone graft material

S1

- Sticky & Build up
- Mouldable & Customizing
- Sticky bone made easily with saline or blood

BOVINE XENOGRAFT



S1 has similar structural characteristics with human bones

Due to its high porosity, S1 provides the most optimal environment for promoting osteoblast adhesion, blood vessel formation, and bone regeneration.

Bovine Bone Mineral

S1

Unable to mold
No space maintenance

Mouldable & Customizing

No adhesioin, No fixation

Customized build up

Blood collection to make
sticky bone

Sticky bone made easily
with saline or blood

Keywords



S1 (Bovine Bone)

Bovine Bone Mineral

- Excellent adhesion and fixation
- Rigid Space Maintenance
- Excellent osteoconduction



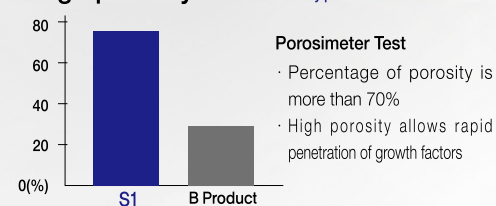
S1 (Bovine Bone)

- Easy to manipulate
- Various indications

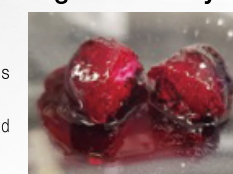


High porosity

Powder Type



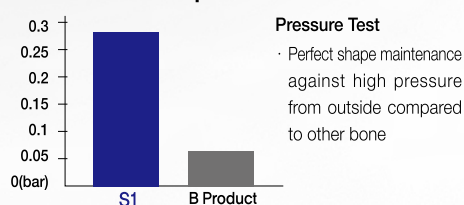
High wettability



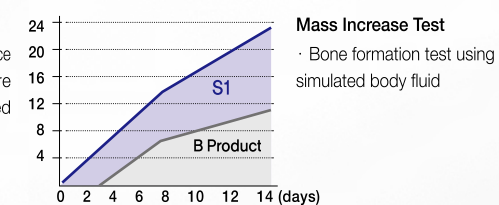
Wettability Test

- Porous structure makes blood circulation easily

Excellent shape maintenance

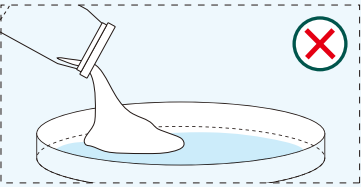
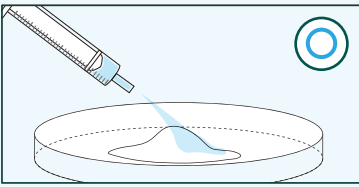


Bone formation rate

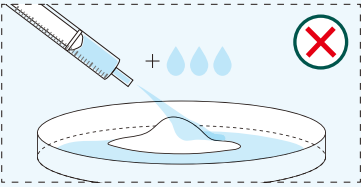
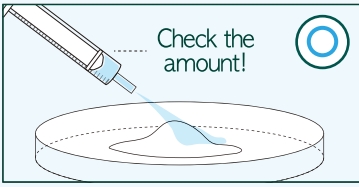


Quick Guide

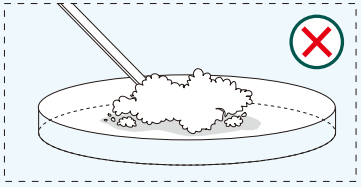
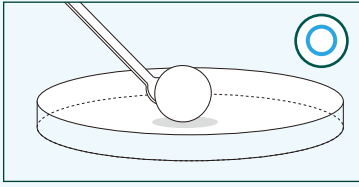
- Please apply the liquid as indicated
- Each package is for one-time use only
- Do not mix with other bonegraft
- Mix with solutions well enough



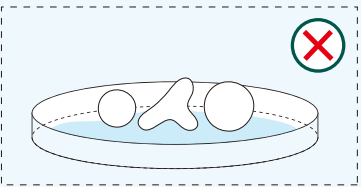
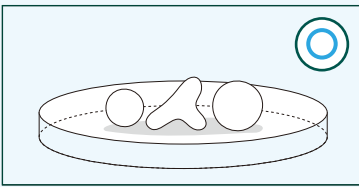
Place S1 in the tray and hydrate the materials with saline.



Check the amount!
Please use the recommended amount of saline only.



Knead the dough enough for at least 30 seconds by using hands or tools to form a lumpy shape before using S1.



Do not soak in saline after shaping for a surgery.

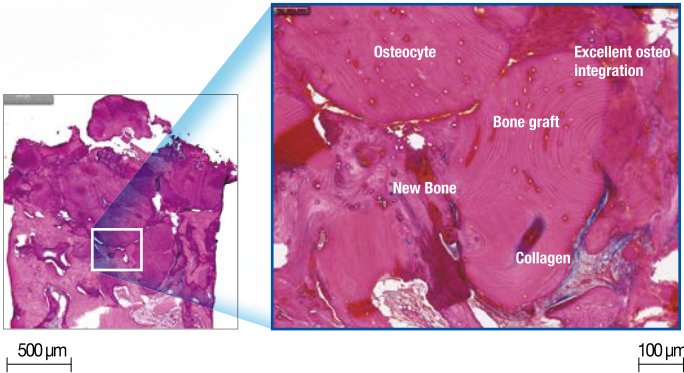
Recommended amount of saline

Type	Particle Size (mm)	Weight (g)	Solution Amount (cc)
Powder	0.2~1.0	0.25	0.35
		0.5	0.7
		1.0	1.4
Chip	1.0~2.0	0.25	0.45
		0.5	0.9
		1.0	1.8
		2.0	3.6

Biopsy

Case 1. #14, Ridge augmentation

Patient Info: 65 years-old, female

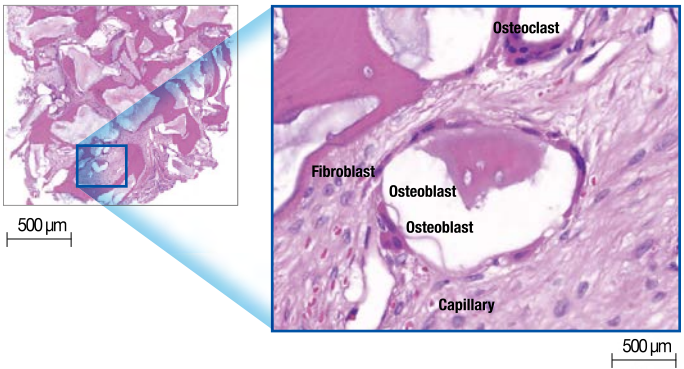


Clinical Opinion

- Excellent bone formation around bone graft material
- The graft materials appeared surrounded by newly formed bone
- No sign of inflammation or immune rejections

Case 2. #26, Sinus graft

Patient Info: 73 years-old, female



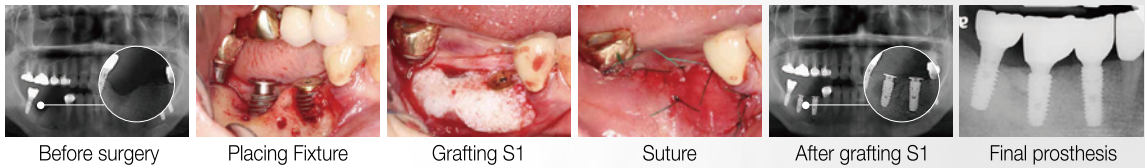
Clinical Opinion

- Excellent osteoconduction as it shows osteoclasts and new bone formation
- No evidence of inflammation or immune rejection

Clinical Cases

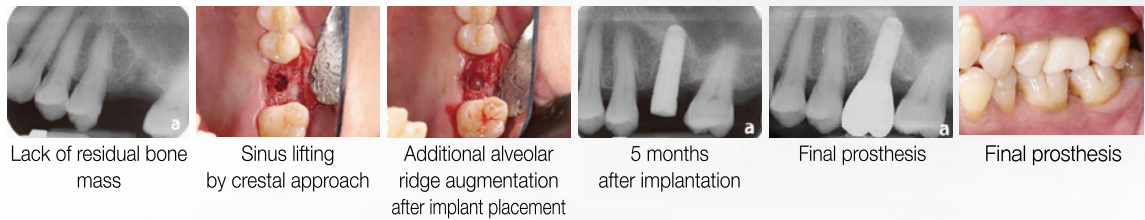
Case 1.

Patient Info: 59 years-old, female, Ridge augmentation



Case 2.

Patient Info: 59 years-old, female, Sinus graft



·The effects of head rotation and tilt on oral pressure and muscle activity
·Sinus Grafting with Porous Bone Mineral (Bio-Oss) for Implant Placement : A 5-Year Study on 15 Patients



Type	Weight	Reference NO.
Powder (0.2~1.0mm)	0.25g	MP-S1-025
	0.5g	MP-S1-050
	1.0g	MP-S1-100
Chip (1.0~2.0mm)	0.25g	MP-S1C-025
	0.5g	MP-S1C-050
	1.0g	MP-S1C-100
	2.0g	MP-S1C-200