## **Product Description**

1. Si la xenograft using bovine cancellous bone and its main ingredient is HA (Hydroxyapatite).

2. Pores in this material are interconnected, which facilitates the formation of new bone tissue into the material when implanted in oral and maxilifolatione 3. During the manufacturing process, the organic components were completely removed through chemical treatments and heat treatment. 4 Hydrogel agent makes the bone graft viscous upon hydration. 5. S1 should be used by trained/qualified licensed persons familiar with bone grafting.

### Intended Use

MedPark S1 is a xenograft material derived from bovine cancellous bone for the purpose of securing a space where a new bone tissue is formed by filling defects or bony voids of the oral and maxillofacial region due to a surgical injury or a non-surgical injury.

**Preoperative Preparation** I Celiver a double packed product to the operating room while keeping it sterilized. 2. Do not us \$1 if the sterile package is damaged or opened. 3. Do not use it if any foreign materials are found inside the vail. 4. Do not use \$1 bone graft after the expiration date. The validity period is 5(five) years from the date of manufacture. 5. Read and fully understand 'Directions for Use' before surgery and be sure that surgeon knows exactly how to use \$1.6. The surgical instruments must sterilized before the operation. 7.5 is an implantable medical device and it should be used in a clean environment, operating room.

Directions for Use
The general principles of sterile handling and patient medication must be followed when using S1.
When using I, peel off blister Tyvek film. Holding S1 vial firmly, remove the cap. Dispense the granules of S1 into a sterile container. 2. After exposure the bony defect with mucoperiosteal flap, completely remove the granulation tissue and inflammatory tissue. 3. When opening the sterile package, never store remained product. 4. Put saline solution in the bone graft material that has been placed in the sterilized container. 5. Makes ure that Recommended amount of saline solution by weight to use S1 successfully. 1) Please keep the following points in mind!- Please comply with the recommended allowance - Do not divide the product for multiple uses - Do not mix with other bone graft-Mix with saline solutions well enough 2) The amount of saline is most important. Pleace S1 in the tray and hydrate the materials with saline-Please use the recommended amount of saline only. Do not soak in saline after shaping for a surgery, 3) It is important to knead S1 evenly!- Knead the dough enough for at least 30 seconds by using hands or tools to form a lumpy shape before using S1.6. After making the product in a paste form suitable for the defect area, apply it to the surgical site with mucoperiosteal flap and should be fixed by sutures. Be sure to completely seal the implantation site to prevent exposure. **Directions for Use** 

\*\* Fundamentally, the use of powder type is recommended for small defects (up to 2 dental alweoli). The chip type is recommended for large defects (> 2 dental alweoli, sinus lifts), however, preferences can vary from dentist to dentist. Powder and Chip type can be mixed together at the

dentist's discretion.								
TYPE	PARTICLE SIZE	WEIGHT	SALINE SOLUTION AMOUNT					
	0.2~1.0 mm	0.15 g	0.15 ml					
		0.25 g	0.3 ml					
POWDER		0.5 g	0.6 ml					
POWDER		1.0 g	1.2 ml					
		2.0 g	2.4 ml					
		3.0 g	3.6 ml					
		0.15 g	0.24 ml					
	1.0~2.0 mm	0.25 g	0.4 ml					
CHIP		0.5 g	0.8 ml					
		1.0 g	1.6 ml					
		2 ∩ σ	3 2 ml					

### Precautions

Precautions

1. Warnings 1) Discard any unused material after opening, Never reuse! 2) Do not use if package is opened or damaged or if expiration date has been exceeded. 3) This product should only be used by trained dentists or oral surgeons. 2. Patients with the following diseases are prohibited. 1) Patients with osteromyellts: 2) Patients with severe liver of dyfunction 3) Patients with severe liver of dyfunction 3) Patients with severe lever dyfunction 3) Patients with severe cardiac chyfunction 3. Side Effect incompatibility reactions with MedPark S1 cannot be totally excluded. Possible complications which may occur with any surgery include swelling at the surgical site, flap sologing, bleeding, local inflammation, bone loss, infection, or pain. 4. General precautions 1) In general, the conditions considered as standard contraindications for bone graft are metabolic diseases, soteoporosis, servicid therapy, autoimmune diseases, nicotinism. 2) As S1 derived from bovine cancellous bone, S1 must not be given to patients allergis to exhort be one. (Although S1 meets '150 10993-10 Test for irritation and skin sensitization," allergis reaction may occur in someone with S1 sensitivity.) 3 for bone regeneration, the product is only implantatiol to bone tissue that is directly connected to living bone tissue and host bone. Experience has shown that movement due to increased physical loads (compression loads) or implantation of implants (2-step procedures) should be avoided until several weeks after insertion of the product. Experiments have shown that the physical loading (compression loads) or implantation of implants (2-step procedures) should be avoided until several weeks after insertion of the product. Experiments have shown that the physical loading (compression loads) or implantation of implants (2-step procedures) should be avoided until several weeks after insertion of the product. Experiments have shown that the physical loading (compression loads) or implantation of implants (2-step procedures) should b

Product List			
TYPE	PARTICLE SIZE (mm)	MODEL NAME	WEIGHT (g)
		S1-XB-P015	0.15
	Average particle size  1. HA(Hvdroxyapatite):	S1-XB-P025	0.25
POWDER	0.2 ~ 1.0mm 2. Additive Agents :	S1-XB-P050	0.5
POWDER		S1-XB-P100	1.0
	less than 0.2mm	S1-XB-P200	2.0
		S1-XB-P300	3.0
	Average particle size	S1-XB-C015	0.15
	1. HA(Hydroxyapatite) : 1.0 ~ 2.0mm 2. Additive Agents : less than 0.2mm	S1-XB-C025	0.25
CHIP		S1-XB-C050	0.5
		S1-XB-C100	1.0
		S1-XB-C200	2.0

Symbol Description								
	LOT	Batch code	REF	Catalogue number	EC REP	Authorised representative in the european community		
(	$\overline{\mathbb{A}}$	Caution	(i	Consult instructions for use	ye 🖍 we	Temperature limit		
	8	Do not resterilize	(8)	Do not re-use	类	Keep away from sunlight		
	***	Manufacturer	$\sim$	Date of manufacture	STERILE R	Sterilized using irradiation		
	$\square$	Use by	*	Keep dry	(8)	Do not use if package is damaged		

# Manufacturer

**MedPark** 

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## EC Representative



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