Ovis XENO-P & TRM

Ovis XENO-P

Type	Size(mm)	Weight(g)
Vial type	S (0.25-1.0)	0.15/0.25/0.5/1.0
	L (1.0-2.0)	0.5/1.0

Ovis TRM

Type		Type		Type	
PM1224A 12mmx24mm		PM2530A 25mmx30mm		PMB2325 25.16mmx23.56mm	
PM1424A 14mmx24mm		PM3040SA 30mmx40mm		PN2029(No Titanium) 29mmx19.82mm PMB2029 29mmx19.82mm	
PM1725A 17mmx25mm		PM3040A 30mmx40mm		PMB2127 27mmx21.44mm	
PM2025A 20mmx25mm		PM2536A 36mmx25mm		PMB2530 30mmx24.9mm PMB2025 20mmx24.9mm	
PM1319A 13mmx19mm		PM3041A 41mmx30mm		PMB2028 20mmx28.4mm PMB2830 30mmx28.4mm	
PM1318A 13mmx18mm		PMB2021 20.71mmx19.8mm		PN2025(No Titanium) 20mmx25mm PN2530(No Titanium) 25mmx30mm PN3040(No Titanium) 30mmx40mm	

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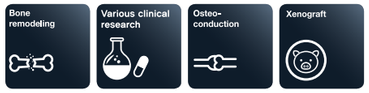
New Product

Ovis XENO-P& TRM

Bone Graft & Membrane Materials

DENTIS

Ovis XENO-P



Composition

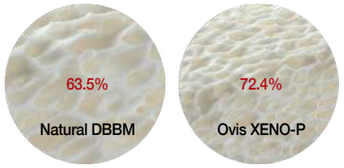
OVIS XENO-P is a heterogeneous bone graft made of pig bone which is composed of 100% deproteinized porcine cancellous bone.

- Uses pig cancellous bone, which is most similar to human tissue and exhibits excellent biocompatibility and regenerative power.
- Low temperature sintered special processing technology preserves the inherent structure and completely removes organic substances to ensure the specificity and safety of raw materials.

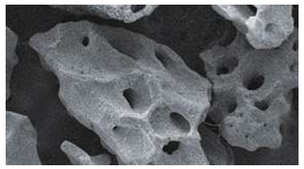
Features

- Safety from Mad cow disease or Creutzfeldt-Jakob disease
- Good hydrophilic property and permeability
- Maintain surface and pore shape of natural bone with special processing technology
- The most similar porosity to human bone
- Excellent biocompatibility and bone regeneration

Porosity



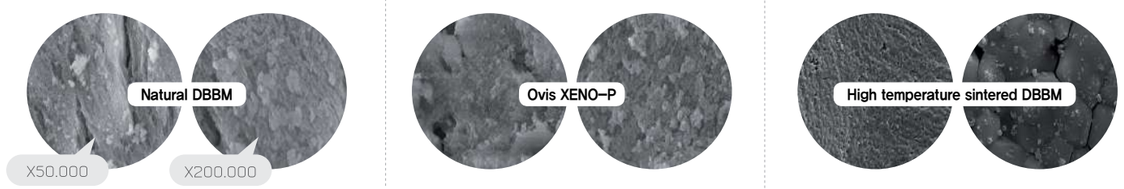
Microstructure



Cohesiveness

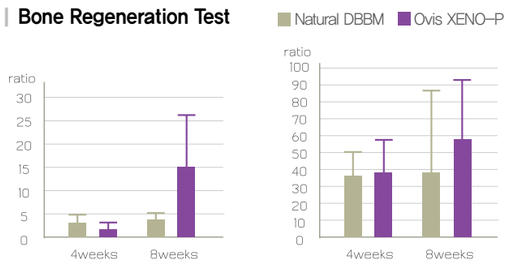
- The most similar porosity and form to human bone porosity (76.5%), facilitating vessel penetration and host tissue aggregation.

Bone surface (SEM analysis)

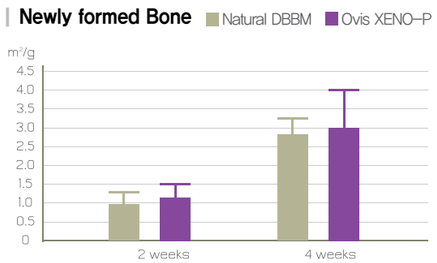


- Ovis XENO-P maintains natural form such as rough surface structure and porosity of natural bone.
- The surface structure of the sintered DBBM is a relatively smooth surface, which differs from the original shape.

Bone Regeneration Test



Newly formed Bone



- Ovis XENO-P shows excellent quality of bone with high proportion of lamellar bone.
- It shows higher bone formation capacity than the natural DBBM and excellent new bone formation ability from 8 weeks after the start of the experiment.

※ DBBM : Deproteinized Bovine Bone Mineral

Ovis TRM

Composition

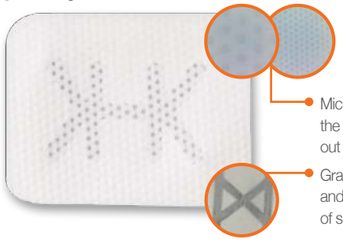
Ovis TRM is a non-absorbable membrane made of Microporous d-PTFE + Titanium / Non-Titanium.

- Microporous d-PTFE facilitates the absorption of plasma proteins during cell attachment and transplantation to the surface while preventing bacterial infiltration.
- Reinforced Titanium retains the space of bone defect.

Features

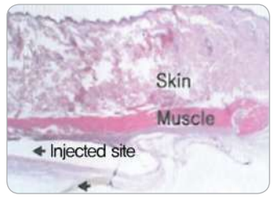
- Great handling and space formation ability
- Prevention of bacterial and cellular infiltration by micro porous
- Primary closure is not required (Open membrane technique)
- 23 different shapes and sizes
- Easy to fix screw or pin
- Nutrients available for bone regeneration through the membrane
- Easy removal with minimal incision or no incision

Strong surface adhesion



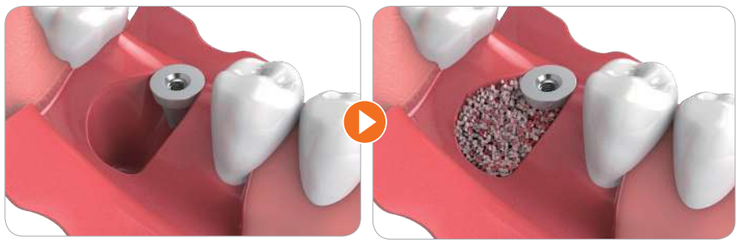
- Micro-machined surface texture increases the area available for cellular attachment without increasing porosity.
- Grade 1 titanium frame to increase the rigidity and allow for the creation and maintenance of space.

Animal test



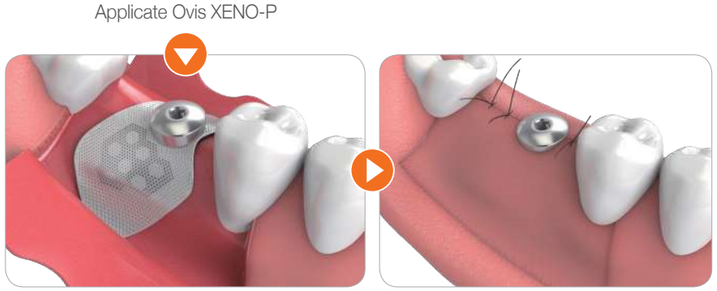
- Skin inflammation was not observed at the injection site for 72 hours in both test and control groups.

Indication for use



Place an Implant

Applicate Ovis XENO-P



Applicate Ovis TRM

Suture