II. Product Overview

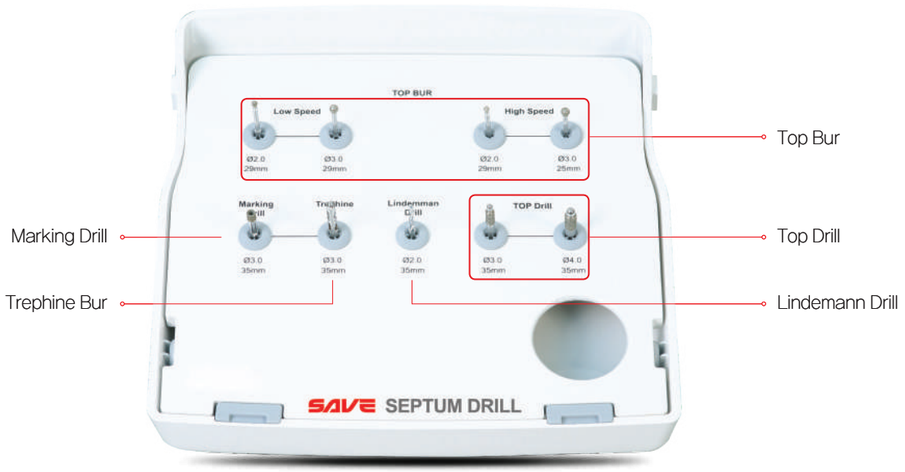
1. Introduction

SAVE SEPTUM DRILL KIT is very effective for placement of implants into extraction site.
Even when the septal bone is sharp, implant insertion hole is formed along with the septal bone accurately without slippage.

2. Precautions on the Use of Product

① This product is a medical device that must be used for proper use and purpose.
② The product with defective appearance must be returned before removing the package.
③ Carefully handle the product to avoid damage or deformation.
④ Handle the blade part of the drills carefully to avoid damage because they are fine and sharp.
⑤ Be sure to sterilize it before use.
⑥ Be well aware of the use method of the tool before use.

3. KIT



KIT Code : DSSDK

III. Specifications

1. Components

Top Bur

- Remove residual soft tissue at extracted cavity.
- Two type of bur : High speed and (for engine) low speed bur
- Drill diameter : Ø 2.0, Ø 3.0
- Recommendation RPM of the low speed bur : 800~1,200 RPM

Type	High Speed		Low Speed	
Diameter	Ø2.0	Ø3.0	Ø2.0	Ø3.0
Code	DH-2.0	DH-3.0	DL-2.0	DL-3.0
Image				

Lindemann Drill

- Drill to make hole at angled site without movement.
- Lindemann drill is not slipping even on the slope.
- Disk diameter : Ø 2.0
- Recommendation RPM : 800~1,200 RPM

Diameter	Code
Ø2.0	DLD-2.0

Marking Drill

- Drill for precise marking at septum.
- Marking drill is coated diamond surface helpful for prevent movement in septum.
- Drill diameter : Ø 3.0
- Recommendation RPM : 800~1,200 RPM

Diameter	Code
Ø3.0	DMD-3.0

Trephine Bur

- Put trephine bur on the marking drilling hole and remove septal bone.
- To form initial hole with bone harvesting.
- Drill diameter : Ø 2.0, Ø 3.0
- Recommendation RPM : 800~1,200 RPM

Diameter	Code
Ø3.0	DTB-3.0


Ø3.0

Top Drill

- Along with drilling hole, lindemann drill or trephine bur is used in order to widen the upper part of the septum bone. It is helpful for prevent slipping when the final drill used.
- Drill diameter : Ø 3.0, Ø 4.0
- Recommendation RPM : 800~1,200 RPM

Diameter	Code
Ø3.0	DTD-3.0
Ø4.0	DTD-4.0


Ø3.0

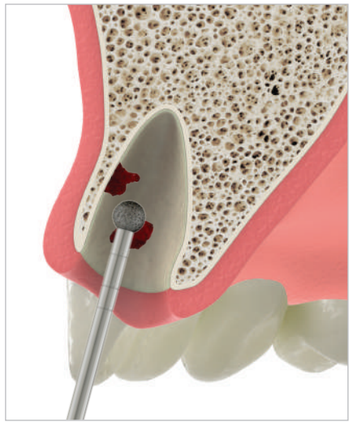
Ⅳ. How to Use

1. Anterior Surgical Procedure

1) Extraction

Atraumatic extraction

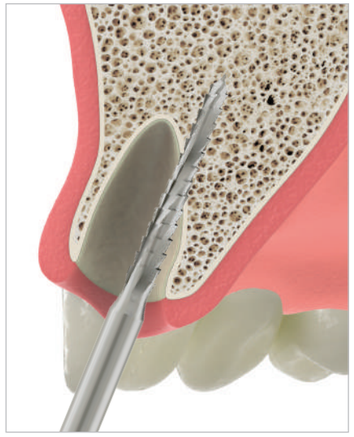
2) Remove residual soft tissue




Top-bur

Connect high speed handpiece or low speed contra angle handpiece with Ø 2.0 or Ø 3.0 size Top-bur and remove residual soft tissue at extracted cavity.

3) Initial drilling

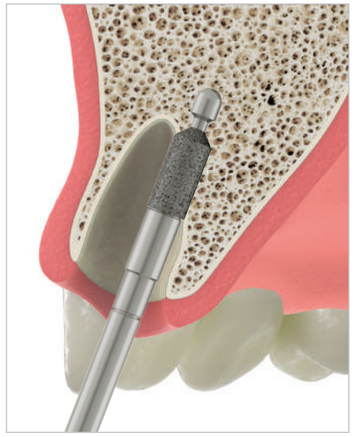


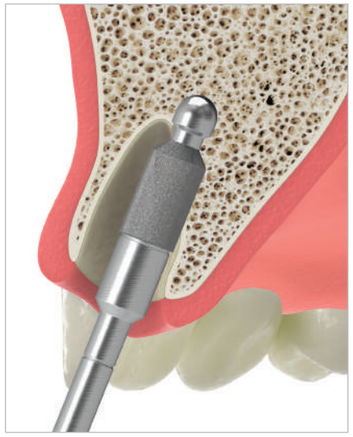
Lindemann Drill

By using Ø 2.0 lindemann drill with side cutting function, form a basic hole on palatal side of the extraction socket.

Notice When using lindemann drill, use it while pressuring towards palatal side.

4) Enlarge initial drilling





Top Drill

Along with initial drilling hole of palatal side, Ø 3.0 and Ø 4.0 drill are used with 800~1,200 RPM in order to gradually widen the upper part.

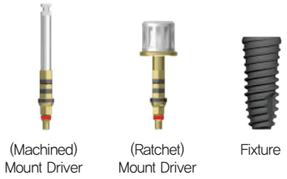
5) Final drilling

Surgical Drill

Perform drilling in accordance with the method recommended by the manufacture's fixture drilling sequence.

Tip For fixture drilling, under drilling is recommended.

6) Implant placement



(Machined) Mount Driver

(Ratchet) Mount Driver

Fixture

By using the fixture driver, install the fixture along with palatal wall.

7) Bone grafting (Optional)

Ovis Bone Graft

Ovis Bone BCP
Alloplastic Material

- Osteoconductive synthetic bone graft with higher β–TCP content
- Excellent wettability
- Easy manipulation
- Biocompatibility and great bioactivity
- Well–formed Marco/Micro porous
- Porosity : 70%

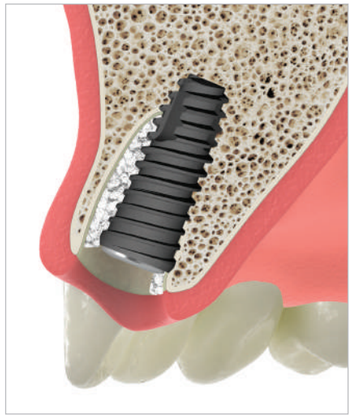
Ovis XENO
Xenogenic Material

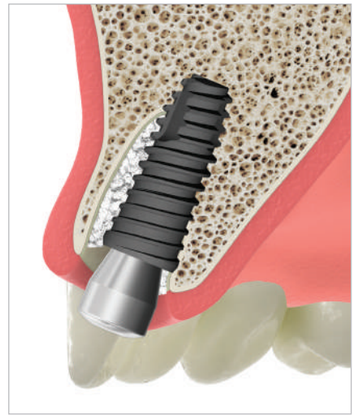
- Bovine bone grafting material of natural mineral cancellous bone composed of double coated Ca–P
- Natural mineral bone obtained through strict manufacturing process
- No immunologic rejection
- Biocompatibility and great bioactivity
- Easy revascularization of the bone graft site
- Well–formed Macro/Micro porous similar to human's cancellous bone

Ovis XENO-P
Xenogenic Material

- 100% cancellous swine bone that has been deproteinized.
- Safety from mad cow disease or Creutzfeldt–Jakob disease and so on.
- The most similar void fraction to that of human bone.
- Excellent hydrophilicity and transparency
- Biocompatible and excellent bone regeneration ability.
- Surface void form of natural bone is maintained due to special processing technique.

8) Connect cover screw or healing abutment





Cover Screw | Healing abutment | Hex Driver

9) Membrane application (Optional)

Ovis Membrane | Ovis TRM | SAVE GBR KIT

Depending on whether there is bony defect or not, absorbable or non–absorbable membrane is applied.
When using long absorbable membrane, use SAVE GBR KIT for fixation.

10) Suture