

# SYNERGY

BONE GRAFTING MATERIALS



TISSUE GUIDED  
REGENERATION SOLUTIONS

## Anorganic Bovine Matrix

Synergy bone matrix implant, made of deproteinized bovine bone, is indicated as a successful solution to ease and improve bone regeneration. Thanks to its natural origin, it is chemically and structurally comparable to mineralized human bone (natural nanocrystalline apatite). The highly purified osteoconductive mineral structures is obtained from natural bovine bone through a manufacturing process that guaranties a 96% phase purity in strictly compliance with international security standards. Sterilized with gamma-radiation at 25kGy.



### instructions

- Bone defect treatment and bone augmentation in general.
- Alveolar ridge augmentation/reconstruction.
- Socket filling post-dental extraction.
- Implantology: implant site preparation, bone defect filling and maxillary sinus lift.
- Periodontology: bone defect filling, membrane support during guided tissue regeneration.

### properties

- The high volume of interconnected pores benefits new bone formation and growth.
- Benefits osteoblasts bonding and posterior osteoid formation.
- Benefits osteogenesis, thanks to its osteoconductive property.
- No potential immunological or infectious risks.
- Cortical or cancellous presentation, thin or thick granulometry.
- In moldable Putty, it adheres to instrumentation and adopts to the cavity shape.

## Granule presentation

Specific products for different instructions: oral implantology, maxillofacial surgery, orthopedic and neurosurgery.



	GRANULOMETRY	QTY	REFERENCE
CANCELOUS	350-840/840-2000µm	0,25g = 0,5/0,75cc	ALPE-840 / ALPE-2000
	350-840/840-2000µm	0,50g = 1,0/1,5cc	SYN CE-840 / SYN CE-2000
	350-840/840-2000µm	1,00g = 2,0/3,0cc	ESP1G-840 / ESP1G-2000
	350-840/840-2000µm	2,00g = 4,0/6,0cc	HU2G-840 / HU2G-2000
CORTICAL	350-840/840-2000µm	0,25g = 0,4/0,65cc	025COR-840 / 025COR-2000
	350-840/840-2000µm	0,50g = 0,8/1,3cc	COR-840 / COR-2000

	GRANULOMETRY	QTY	REFERENCE
TRAUMA	840 a 2000µm	1 x 5cc	5CCBO
	840 a 2000µm	1 x 10cc	10CCBO
	1000 a 4000µm	1 x 5cc	HU5CC
	1000 a 4000µm	1 x 10cc	HU10CC
	1000 a 4000µm	2 x 10cc	HU20CC
	1000 a 4000µm	3 x 10cc	HU30CC

## Moldable putty bovine matrix

Putty obtained from bovine natural bone matrix, combined with a mixture of moisturizers, binding agents and saline, to enhance ease of use and flexibility during surgical application. Moldable putty allows manipulation without waste, is hygroscopic, highly malleable and easy to mold. Eliminates the need for any preparation before placement. Superior performance resulting from multiple physical and chemical interactions.

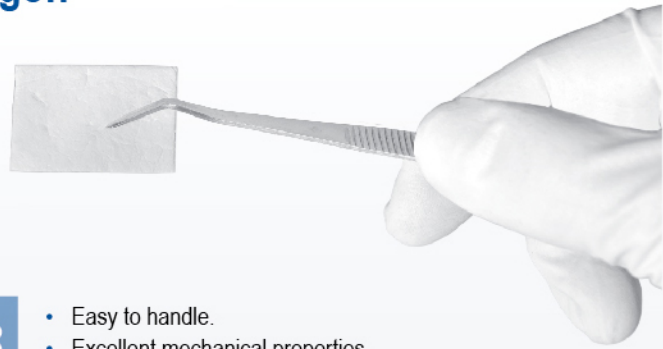


	GRANULOMETRY	QTY	REFERENCE
CANCELOUS	350-840 µm	1 g	PUTTY-840-1
	350-840 µm	2 g	PUTTY-840-2



# Collagen membrane, type I collagen bovine resorbable dressing

It is obtained from biocompatible and biodegradable materials. Made of type I bovine collagen, maximum purity long fiber. Sterilized with gamma-radiation at 25kGy.



## instructions

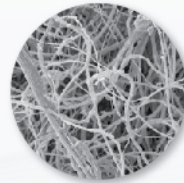
- To use in the Guided Bone Regeneration (GBR) and Guided Tissue Regeneration (GTR) fields.
- Alveolar crest reconstruction for prosthetic treatments.
- Space coverage, when implant is placed after dental extraction.
- As a barrier when lifting the maxillary sinus floor.
- As a barrier in periodontology.

## properties

- Easy to handle.
- Excellent mechanical properties.
- Optimal permeability, elasticity, plasticity and stability.
- Great adherence to cavity, does not slide.
- 0.4 to 0.5 mm controlled thickness.



SIZE	REFERENCE
15 x 20 mm	SYMC-21-04
20 x 30 mm	SYMC-23-04
30 x 40 mm	SYMC-34-04



Minimum validated resorption time:  
70 days.  
Collagen fiber **interlinking** FE-SEM  
Sigma 3.24KX.

# Synthetic bone filling / granules

Synergy synthetic bone filling is an absorbable bioceramic (hydroxyapatite) with interconnected pores which supports newly formed bone, thanks to its bone conducting capacity and chemical interchangeability with live tissues. It is characterized by its high in vivo solubility. All process phases are manufactured in a laboratory-controlled environment, assuring the absence of potential immunological risks.



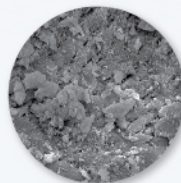
## instructions

- Periodontal defects.
- Maxillary sinus lift.
- Socket filling post-dental extraction.
- Apicoectomy.
- Cysts.
- Alveolar ridge augmentation.

## properties

- Successful solution in bone regeneration.
- Homogeneous, uniform-quality synthetic material.
- No potential immunological or infectious risks.

	GRANULOMETRY	QTY	REFERENCE
SYNTHETIC	350-840 µm	0,5g = 0,8cc	SYN MS-840
	840-2000 µm	0,5g = 1,0cc	SYN MS-2000



According to ASTM international standard, a 95% phase purity is mandatory. Synergy's 98% supersedes it.

## Fastening screws KIT / SD-SCRT

Autoclavable box with a smart organization system which makes surgery easier. Precise screwdriver allow quickly picking up screw and manually or mechanically safely moving it to the surgical site, to attach bone blocks, meshes or titanium plaques. It is also useful to store tacks, to attach membranes in guided bone regeneration.

### Autoclavable organizer box

Measures: 12 x 8,5 x 2,5 cm

### Included drill

Ø 1,2 mm  
EIDL12

### Manual adapter

MAG

Tips for extra oral driver TR-SDS or hand piece and manual adapter driver TC-SDS

Extra oral driver DH-SDS

## SD-MINI

SD-SCRT compact version.

### Autoclavable organizer box

Measures: 10,5 x 6 x 2,5 cm

## Fastening screws

Titanium, self-tapping, polished anodized surface. Unique design for correct mesh and graft fixation.



DIAMETER	LENGTH (mm)					
	3	4	-	-	-	-
Ø 1,40 mm	3	4	-	-	-	-
Ø 1,60 mm	3	4	5	6	10	12
Ø 2,00 mm	-	4	-	6	-	12

Tip for extra oral driver TR-SDS

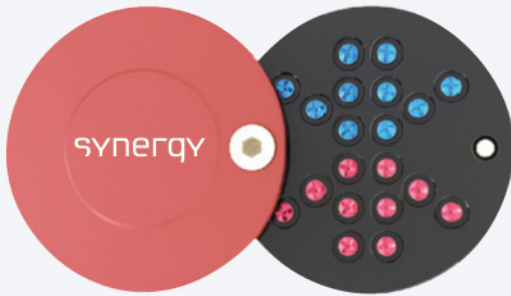
Extra oral driver DH-SDS

Included drill  
Ø 1,2 mm  
EIDL12



## Tack kit

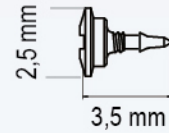
Titanium anodized for mesh and membrane attachment.



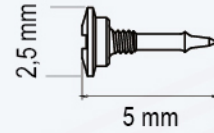
TAC-BOX



TR-03 tac applicator



TAC-35



TAC-50

## Disks, chisels and trephine burs



CHISELS

Bone spreader 1,0 mm.  
SCL-10

Bone spreader 1,5 mm.  
SCL-15

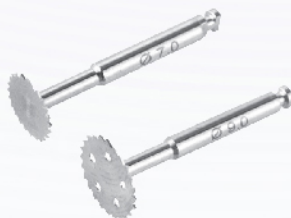


TREPINE BURS

Internal diameter 3,5 mm  
TREF45

Internal diameter 4,0 mm  
TREF40

Internal diameter 5,0 mm  
TREF50

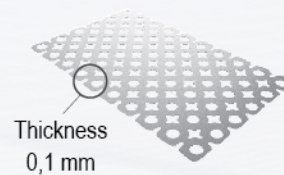


DISK DRILLS  
Replacement

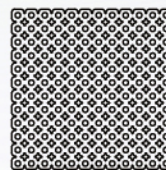
7 mm. / TR-01  
9 mm. / TR-02

## Titanium meshes

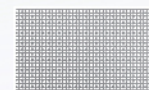
For big graft procedures.  
Polished surface. Non-traumatic edges.  
Pore size:  $\varnothing$  1.4 mm, thick.  
Pore size:  $\varnothing$  0.6 mm, thin.



Thickness  
0,1 mm



Thick pore  
SDP-S44-044

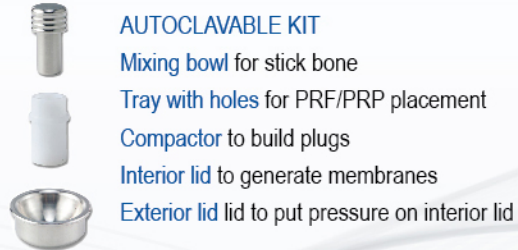


Thick pore  
SDP-S36-022  
Thin pore  
SDP-T36-022F

## PRF System / INORG-GEN



- Enhances PRF generation for: sinus membrane sealing, maxillary sinus lift, bone grafts, bloody area and gingival recessions sealing.
- Reduces surgical and preparation times.
- Simplifies simultaneous preparation of plugs and multiple rich plasma membranes (PRF, APRF, IPRF, PRGF and PRP).



## Lateral approach - Sinus lift KIT / SD-TOLA2

Includes curette sequence. Non-traumatic drills with stopper, to safely drill lateral wall with no sinus membrane damage.



### AUTOCLAVABLE ORGANIZER BOX

- 2 6.0 and 8.0mm straight diamond drills.
- 2 8.0mm round diamond drills for lateral window opening.
- 2 6.0 and 8.0mm inactive tip drills for bone drilling.
- 2 5.0 and 7.0mm diamond shaft disks for window expansion.
- 5 0.5 / 1.0 / 1.5 / 2.0 / 2.5 mm stoppers to improve safety and protection.
- 4-curette sequence for sinus remodeling.

## Expander Kit / EXT-KIT



DIAMETERS	DEPTH STRIPES
1,1 - 2,0 mm	8,5 mm
1,7 - 2,6 mm	10 mm
2,2 - 3,1 mm	11,5 mm
2,9 - 3,8 mm	13 mm

## Bone expansion KIT / SD-BS

Instruments kit designed for corticotomies. Disks allow precise cuts in the bone and the spreading pins separate cortical bones, thus allowing increase of bone ridge and implant placement in very thin bones.



### AUTOCLAVABLE ORGANIZER BOX

- 3 spreading pins with threaded adapters.
- 3 hex digital drivers.
- 2.0 and 9.0 mm disk drills for contra-angle.
- 1 ratchet wrench hex driver.
- 1 4 x 4 mm square ratchet wrench.