UBGEN®
RE-BONE®
BOVINE BONE SUBSTITUTE

UBGEN

RE-BONE®

The first bone graft of bovine origin processed at low temperature

- Fully resorbable
- Processed at low temperatures thanks to the Thermagen production process
- Produced by an entirely Italian supply chain
- CE marked as a product compliant with Directive 93/42 EEC (CE 0373)

1. CHARACTERISTICS

BIOCOMPATIBILITY

Tests performed in compliance with ISO 10993-5:2009 guidelines have demonstrated that RE-BONE® has proven biocompatibility properties and is entirely free of exogenous or cytotoxic elements.

STERILITY

It is a single-use device, gamma-ray sterilized, with a shelf life of 5 years.

RESORPTION AND REMODELLING

The complete replacement of RE-BONE® with newly formed bone tissue depends on anatomical variables (ratio between vital bone surface and volume of the grafted site) and on individual patient factors. Resorption: between 6-8 months. | Remodelling: biological times of bone remodelling.

2. BENEFITS

- Biocompatible
- Volumetrically stable
- Shortened resorption time
- Rough surface

3. CLINICAL APPLICATIONS

- Maintenance of the socket and bone crest
- Maxillary sinus lift surgery
- Horizontal and vertical augmentation in 2-wall defects
- Dehiscences and fenestrations in peri-implant lesions
- Periodontal regeneration in infrabony defects and 2-3 wall furcation defects

PRODUCT	PACKAGING	CODE
RE-BONE® Granules	Cortico-cancellous granules 0.25g - 0.25-1 mm	BM01A (pack of 1) | BM01A6 (pack of 6)
	Cortico-cancellous granules 0.5g - 0.25-1 mm	BM01B (pack of 1) | BM01B6 (pack of 6)
	Cortico-cancellous granules 1g - 0.25-1 mm	BM01C (pack of 1) | BM01C6 (pack of 6)
	Cortico-cancellous granules 2g - 0.25-1 mm	BM01D (pack of 1) | BM01D6 (pack of 6)
	Cortico-cancellous granules 0.5g - 1-2 mm	BM01E (pack of 1) | BM01E6 (pack of 6)
	Cortico-cancellous granules 1g - 1-2 mm	BM01F (pack of 1) | BM01F6 (pack of 6)
	Cortico-cancellous granules 2g - 1-2 mm	BM01G (pack of 1) | BM01G6 (pack of 6)
	Cortico-cancellous granules 5g - 1-2 mm	BM01H (pack of 1) | BM01H6 (pack of 6)
	Cancellous granules 0.25g - 0.25-1 mm	BM01I (pack of 1) | BM01I6 (pack of 6)
	Cancellous granules 0.5g - 0.25-1 mm	BM01J (pack of 1) | BM01J6 (pack of 6)
	Cancellous granules 1g - 0.25-1 mm	BM01K (pack of 1) | BM01K6 (pack of 6)
	Cancellous granules 2g - 0.25-1 mm	BM01L (pack of 1) | BM01L6 (pack of 6)
	Cancellous granules 0.5g - 1-2 mm	BM01M (pack of 1) | BM01M6 (pack of 6)
	Cancellous granules 1g - 1-2 mm	BM01N (pack of 1) | BM01N6 (pack of 6)
	Cancellous granules 2g - 1-2 mm	BM01O (pack of 1) | BM01O6 (pack of 6)
	Cancellous granules 5g - 1-2 mm	BM01P (pack of 1) | BM01P6 (pack of 6)

PRODUCT	PACKAGING	CODE
RE-BONE® Block	Block of 10x10x10 mm	BM02A (pack of 1)
	Block of 10x10x20 mm	BM02B (pack of 1)

PRODUCT	PACKAGING	CODE
RE-BONE® Syringe	Syringe of 0.25g for granules of 0.25-1mm	BM03A
	Syringe of 0.5g for granules of 0.25-1mm	BM03B
	Syringe of 0.5g for granules of 1-2mm	BM03C
	Syringe of 1g for granules of 0.25-1mm	BM03BA
	Syringe of 1.5g for granules of 0.25-1mm	BM03BB
	Syringe of 2g for granules of 0.25-1mm	BM03BC
	Syringe of 1g for granules of 1-2mm	BM03CA
	Syringe of 1.5g for granules of 1-2mm	BM03CB
	Syringe of 2g for granules of 1-2mm	BM03CC

RE-BONE®
WHY CHOOSE IT?

Because it works.

UBGEN® is the only certified Italian company that processes bovine material at low temperatures.
Most of the commercially available biomaterials do not use raw material of bovine origin, or exploit bovine bone treated at high temperatures.
This means that the resorption index is significantly lower and that the bone graft remains in the oral cavity even after many years.

At UBGEN® we exploit the winning characteristics of the bone substitute of bovine origin, treated at low temperature through our unique Thermagen production process. The bone substitute thus produced has been shown to facilitate in situ volumetric stability, thanks to the superficial cracking of the granules technology. Moreover, this low temperature cleaning process prevents ceramization, while keeping the bovine bone matrix perfectly resorbable and biocompatible.

RE-BONE® is completely reabsorbed in 6-8 months.

Its safety is ensured by the choice of raw material in compliance with the standards required in the reference protocol.

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UBGEN®
SHELTER®
BOVINE PERICARDIUM MEMBRANE

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SHELTER®

Bovine pericardium membrane

- Designed for bone surgery in dentistry with different thicknesses
- Extremely resistant to traction, suturable and fixable with pins
- Produced by an entirely Italian supply chain, certified and controlled (CE 0373), through a standardized decellularization process

1. CHARACTERISTICS

BIOCOMPATIBILITY

Tests performed in compliance with ISO 10993-5:2009 guidelines have demonstrated that SHELTER® membranes have proven biocompatibility properties and are entirely free of exogenous or cytotoxic elements.

STERILITY

It is a single-use device, gamma-ray sterilized, with 5-year stability.

RESORPTION

SHELTER® FAST - natural resorption (4-5 weeks)
SHELTER® SLOW - cross-linked with slow resorption (4-6 months) with prolonged barrier effect

2. BENEFITS

- Ease of clinical handling and simple application
- Traction resistance
- Supports angiogenesis
- Chemotactic capacity
- Bovine pericardium acts as a natural barrier

3. CLINICAL APPLICATIONS

- Maintenance of the socket and bone crest
- Maxillary sinus lift surgery
- Horizontal and vertical augmentation in 2-wall defects
- Dehiscences and fenestrations in peri-implant lesions
- Periodontal regeneration in infrabony defects and 2-3 wall furcation defects

PRODUCT	PACKAGING	CODE
SHELTER® F	Pericardium membrane 15x20x0.2 mm	BMF04A
	Pericardium membrane 30x25x0.2 mm	BMF04B
	Pericardium membrane 50x30x0.2 mm	BMF04C
	Pericardium membrane 15x20x0.4 mm	BMF04D
	Pericardium membrane 30x25x0.4 mm	BMF04E
	Pericardium membrane 50x30x0.4 mm	BMF04F
	Pericardium membrane 15x20x0.8 mm	BMF04G
	Pericardium membrane 30x25x0.8 mm	BMF04H
	Pericardium membrane 50x30x0.8 mm	BMF04I
	Pericardium membrane 15x20x1 mm	BMF04J
	Pericardium membrane 30x25x1 mm	BMF04K
	Pericardium membrane 50x30x1 mm	BMF04L
SHELTER® S	Pericardium membrane 15x20x0.2 mm	BMS05A
	Pericardium membrane 30x25x0.2 mm	BMS05B
	Pericardium membrane 50x30x0.2 mm	BMS05C
	Pericardium membrane 15x20x0.4 mm	BMS05D
	Pericardium membrane 30x25x0.4 mm	BMS05E
	Pericardium membrane 50x30x0.4 mm	BMS05F
	Pericardium membrane 15x20x0.8 mm	BMS05G
	Pericardium membrane 30x25x0.8 mm	BMS05H
	Pericardium membrane 50x30x0.8 mm	BMS05I
	Pericardium membrane 15x20x1 mm	BMF05J
	Pericardium membrane 30x25x1 mm	BMF05K
	Pericardium membrane 50x30x1 mm	BMF05L

SHELTER®
WHY CHOOSE IT?

For its extreme manageability and resistance.

The membrane is essential in stabilising and protecting the grafted biomaterial.

For 90% of surgical procedures, resorbable membranes are indicated, while for the remaining 10%, in which a prolonged barrier effect is required, non-resorbable membranes are generally used, which however require a second surgery for their removal.

For this reason, UBGEN® has also created a variant of resorbable membrane with a long-term barrier effect, which is undoubtedly the best solution for the patient, who thus avoids the stress of double surgery.

SOLUTIONS

- SHELTER® FAST Version with natural barrier effect of 4-5 weeks
- SHELTER® SLOW Version with long-term barrier effect, 4-6 months

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UBGEN®
ACTI-BONE®
HYALURONIC ACID

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ACTI-BONE®

Takes advantage of the regenerative properties of high molecular weight hyaluronic acid.

- It can be applied directly on the surgical site
- It can be used in combination with RE-BONE® and/or with SHELTER®

1. CHARACTERISTICS

Hyaluronic acid is one of the main components of connective tissues together with collagen and elastin fibres. It is characterized by the ability to retain a very high amount of water and acts as a powerful adjuvant capable of regenerating bone tissue and protecting the implant and the implant site.

2. BENEFITS

- Anti-inflammatory properties
- Osteogenic and immunomodulatory properties
- Angiogenic properties
- Chemotactic properties
- Bacteriostatic effect

3. CLINICAL APPLICATIONS

- Regenerative surgery
- Implant surgery
- Periodontal surgery
- Extraction surgery
- Mucogingival surgery
- Treatment of peri-implantitis

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UBGEN®
GFONE® PLUS BLOOD PHASE SEPARATOR

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GFONE® PLUS

The first class IIa certified blood phase separator for the preparation of platelet concentrates

- Complete with kit with vials for the preparation of blood components, such as PRP, PRF, APG starting from the patient's autologous blood
- Specifically designed for bone surgery in dentistry
- Certified class IIa medical device

1. CHARACTERISTICS

Scientific literature agrees in promoting the use of platelet-derived factors for numerous clinical applications and several biochemical studies that have demonstrated the ability of platelet concentrates to stimulate various cell lines.
In fact, through the release of growth factors, platelets act as metabolic inducers, promoting the regeneration of injured tissues, significantly accelerating wound healing and stimulating osteogenesis and vasculogenesis.

These components are widely used in regenerative practice and are the ideal booster to be associated with UBGEN® biomaterials.

2. BENEFITS

VERSATILITY

A single device for multiple uses and applications.

SIMPLICITY OF USE

Medical device that are easy to install and use.

ACCELERATE REGENERATIVE PROCESSES

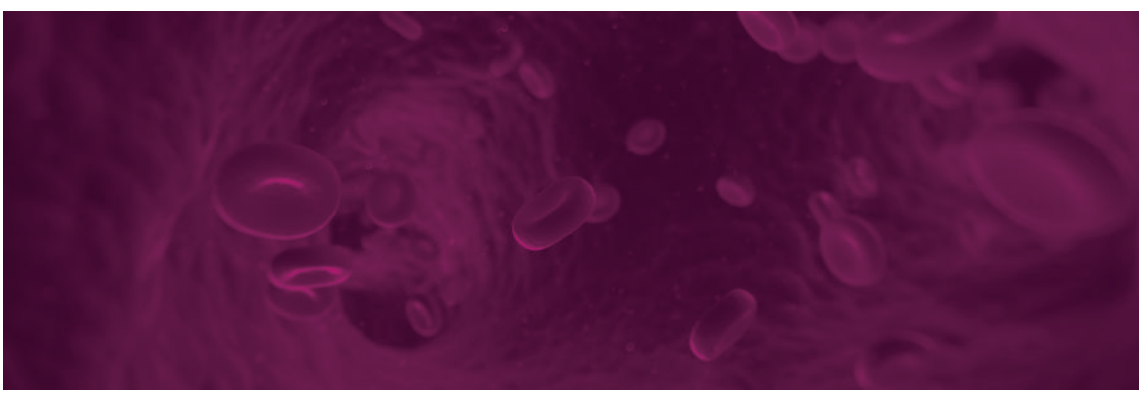
It provides osteoinductive ability to the biomaterials used, ensuring predictable results within a short time.

APG®

Regenerative medicine

CHARACTERISTICS	BENEFITS
IT IS an autologous product	No risk of side effects for the patient
Different forms may be used (liquid, gel or with biomaterials)	IT IS adaptable to the type of surgical procedure
Stimulates bioreparative and regenerative processes	Reduces post-operative recovery time
Promotes the formation of a clot	Speeds up wound healing
IT IS fully resorbable	Prevents post-operative complications

GROWTH FACTORS	EXPECTED EFFECT
PDGF Platelet Derived Growth Factor	Chemotactic for fibroblasts and macrophages, mitogen for fibroblasts, smooth muscle cells, endothelial cells
TGF-1/2 Transforming Growth Factor	Angiogenesis mediator, chemotactic for fibroblasts, keratinocytes and macrophages.
VEGF Vascular Endothelial Growth Factor	Chemotactic and mitogen for endothelial cells, mediator for angiogenesis.
EGF Epidermal Growth Factor	Mitogen for fibroblasts, endothelial cells, keratinocytes, angiogenesis mediator
FGF Fibroblast Growth Factor	Tissue regeneration mediator.



GFONE® PLUS
WHY CHOOSE IT?

The use of platelet concentrates reduces post-operative discomfort and increases patient satisfaction.

For benefits in terms of predictability of results deriving from a single, complete solution dedicated to the dental sector, designed to simplify the procedure for using and certifying the method.

Considering the significant bureaucracy that regulates the use of blood separators, UBGEN® helps the dental practice obtain the necessary agreements and supports it with technical and practical training.

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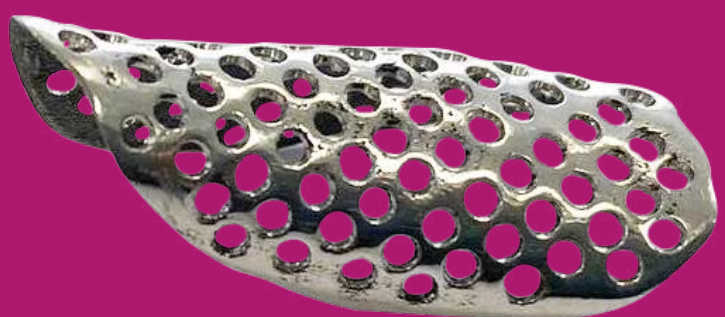
UBGEN®
SAFE-BONE® TITANIUM MESH



UBGEN

SAFE-BONE®

Customized titanium mesh for the regeneration of large bone defects

- Designed for specific clinical regeneration needs
- It reflects the specific anatomical data of the patient
- Based on images created with CAD/CAM and intra-oral scan
- It can be used alone or in combination with resorbable membranes

1. CHARACTERISTICS

Non-resorbable reticular structure ensuring the success of the regeneration and maintenance of the regenerated bone volume. It is fully customized so as to obtain a precise product with thickness, shape and texture size reflecting accurately the specific anatomical data of the patient. It allows 3D planning of openings, useful for future allocation of the implants.

BENEFITS

- Speed and ease of application
- It does not require further modelling or shaping adjustments

3. CLINICAL APPLICATIONS

- Horizontal bone defects
- Vertical bone defects

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