Titanium Dental Technologies

YOU ARE OUR PRIORITY

CALCIUM PHOSPHATE SUBSTITUTES FOR BONE REGENERATION

- NEOBONE
- TRIOSS
- N - IBS

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bioceramed

biomaterials for tissue regeneration

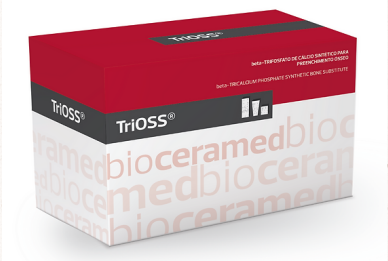
3D BONE SUBSTITUTES

NEOBONE ®

(2 in 1)

- Synthetic bone substitute
- **Biphasic mixture of two types of calcium phosphates: β-Tricalcium Phosphate (25%) and Hydroxyapatite (75%)**
- Rapidly osteointegrated to promote bone regeneration
- Sterilized by gamma radiation
- It is intended to be used in non-load-bearing applications.
- Presents interconnected porosity, allowing a total vascularization of the implant
- Rapidly osteointegrated to promote bone regeneration
- Available geometries: blocks, cylinders, wedges and granules
- Examples of application: treatment of fractures, pseudarthrosis, arthrodesis, osteotomies, bone defects, spinal injuries and dental defects

TRIOSS ®



- Sterilized by gamma irradiation
- Synthetic bone substitute
- **Composed by >95% of β- Tricalcium Phosphate and doped with Silicate**
- Enhances and accelerates new bone formation and improves bone regeneration
- Used in non-load-bearing applications
- Interconnect porosity, allowing the implant vascularization
- Rapidly osteointegrated to promote bone regeneration
- Available geometries: blocks, wedges, cylinders and granules
- Examples of applications: treatment of fractures, spinal injuries, bone tumours, bone cysts, alveolar filling and sinus lift

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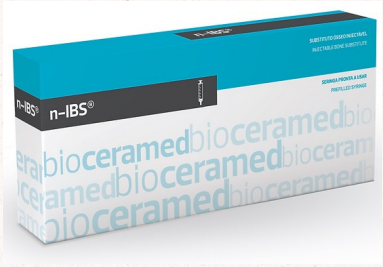
INJECTABLE BONE SUBSTITUTES

N-IBS ®



- Sterilized by gamma irradiation
- Ready-to-use prefilled syringe
- Remains as a soft gel throughout the implantation and healing processes
- Paste of hydroxyapatite nano particles in water (30% , w/w)
- Particle size < 50nm. Specific surface area of 80 meters squared/ gram
- Rapidly osteointegrated
- Used in non-load-bearing applications
- Temporary osteoconductive scaffold for the ingrowth of bone.
- Examples of applications: treatment of fractures, bone tumours, bone cysts, defects in extremities and filling cages in spinal surgeries

Neobone® and TriOSS®
Shapes produced in a regular basis

Blocks		Wedges		Cylinders	
Dimensions	Units (per box)	Dimensions	Units (per box)	Dimensions	Units (per box)
10×10×5 mm	1 / 3 / 5	20×15×8 mm	1	25×9.5	1
15×15×20 mm	1 / 3 / 5	20×15×10 mm	1	25×10.5	1
15×15×30 mm	1 / 3 / 5	20×15×12 mm	1	25×12.5	1
10×30×5 mm	1 / 3 / 5	20×15×14 mm	1	25×15	1
10×10×20 mm	1 / 3 / 5			25×17.5	1
20×20×10 mm	1 / 3 / 5				
10×30×10 mm	1 / 3 / 5				

Neobone® and TriOSS®
Granular shapes produced in a regular basis

Irregular Granules				Spherical Granules	
Dimensions	Qt (per box)	Dimensions	Qt (per box)	Dimensions	Qt (per box)
0.5 - 1 mm	0.5 g	2 – 4 mm	2. 5 cc	75 – 125 µm	0.5 g / 1 g / 2 g
	1 g		5 cc	125 – 355 µm	0.5 g / 1 g / 2 g
	2 g		10 cc	355 – 500 µm	0.5 g / 1 g / 2 g
1 – 2 mm	0.5 g	4 – 6 mm	15 cc	500 – 1000 µm	0.5 g / 1 g / 2 g
	1 g		20 cc	1000 – 2000 µm	0.5 g / 1 g / 2 g
	2 g		30 cc		

n-IBS®
Quantities produced in a regular basis

Syringes per box	Total volume
1	1 cc
1	3 cc
1	5 cc
2	10 cc
3	15 cc

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