Medbone® | Biomaterials, engineering life.™

Centro Empresarial Lusoworld II
Rua Pé de Mouro, nº 26 - Linhó
2710-335 Sintra, Portugal

Phone: (+351) 211 941 737
e-Fax: (+351) 211 946 681

sales@medbone.eu
www.medbone.eu

Medbone® BIOMATERIALS

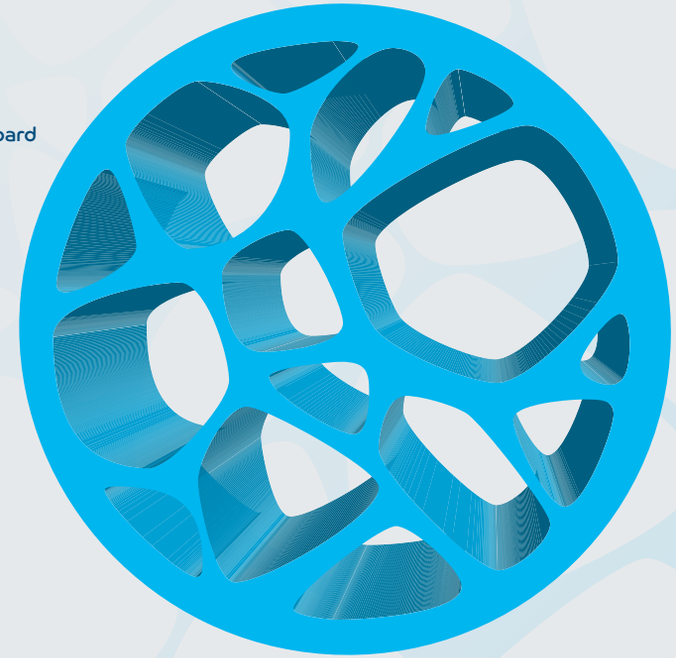
BONE GRAFT

adbone® TCP

Awards

- Technological Innovation Award – Capgemini (2017)
- Noteworthy Distinction – Department of Materials Science – FCT NOVA (2016)
- Young Entrepreneur Award – ANJE (2012)
- Internationalization Award – Gesventure (2011)
- Businesswoman Grow Award – INOVAGAIA (2011)
- BES National Innovation Contest: Healthcare Technology (2009)
- Entrepreneurship Municipal Merit Medal – Municipality of Cascais (2009)
- Cascais Business Ideas Contest – DNA (2008)
- Best Internship 2006 Award – Metallurgical and Materials Engineering Board of the Order of Engineers (2006)
- FEMS Award – Federation of European Materials Societies (2003)

Distributed by:



porous synthetic bone biomaterial
beta-tricalcium phosphate

Ver.01 EN

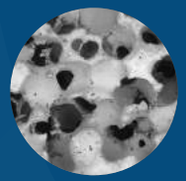
BONE GRAFT

adbone® TCP

adbone®TCP is a totally synthetic bone graft material made of pure beta-tricalcium phosphate (β-TCP).

adbone®TCP features a multidirectional interconnected porosity that guides the three-dimensional regeneration of bone.
As the bone healing process occurs, **adbone®TCP** is resorbed and replaced by new bone.

adbone®TCP was designed to achieve the highest degree of porosity without compromising the mechanical resistance.



Scanning Electron Microscopy (SEM) analysis

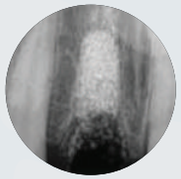
Histology of adbone®TCP, totally surrounded by viable bone

adbone®TCP is intended to be used in the filling of bone voids or defects that are not intrinsic to the stability of the bone structure:

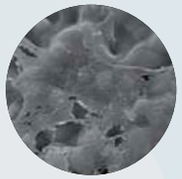
- **Reconstruction of tumor voids and cyst defects**
- **Crestal augmentation**
- **Alveolar regeneration**
- **Regeneration of periodontal defects**
- **Sinus lift**

adbone®TCP has been designed to imitate natural bone.

Why choose adbone®TCP ?



Radiopaque
adbone®TCP is radiopaque, allowing the monitorization of the graft osteointegration



Vascularization
The interconnected porosity of adbone®TCP forms an ideal environment for vascularization

Totally synthetic
adbone®TCP does not contain animal or human tissues or derivatives

Easy to handle
adbone®TCP can be easily mixed with patient's blood
The hydrophilic behavior of adbone®TCP confers a high cohesivity of the particles

No membrane
The use of membrane is not required unless there is risk of graft exposure

REFERENCES	GEOMETRY	RANGE SIZES	QUANTITY
TCP010505G TCP050105G	Granules	0.1 - 0.5mm 0.5 - 1mm	0.5g x 1 Unit
TCP010505P TCP050105P	Granules	0.1 - 0.5mm 0.5 - 1mm	0.5g x 5 Units
TCP010510G TCP050110G TCP010210G	Granules	0.1 - 0.5mm 0.5 - 1mm 1 - 2mm	1g x 1 Unit
TCP010510P TCP050110P TCP010210P	Granules	0.1 - 0.5mm 0.5 - 1mm 1 - 2mm	1g x 5 Units
TCP080820C	Cylinder	8 x 20mm	1 Unit
TCP051015B TCP080820B TCP151520B	Blocks	5 x 10 x 15mm 8 x 8 x 20mm 15 x 15 x 20mm	1 Unit

For other references and geometries, contact our team