Medbone® | Biomaterials, engineering life.™

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Medbone® BIOMATERIALS

BONE GRAFT

adbone® BCP

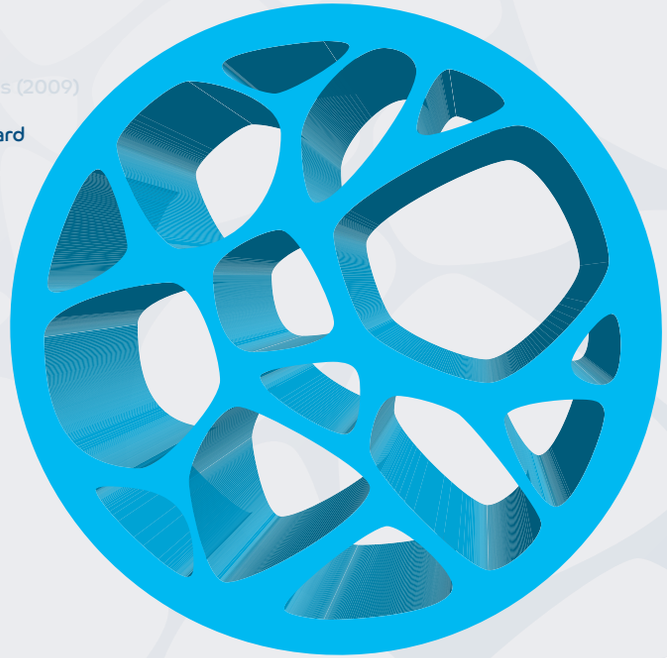
Awards

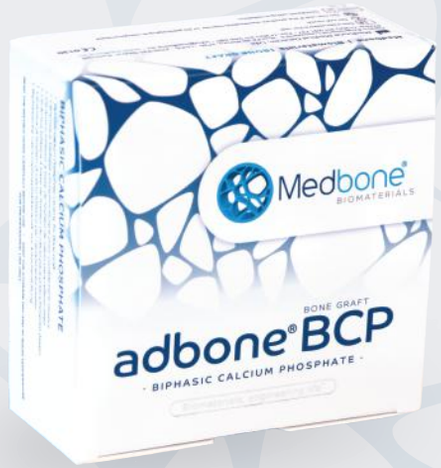
- Technological Innovation Award – Capgemini (2017)
- Noteworthy Distinction – Department of Materials Science – FCT NOVA (2016)
- Young Entrepreneur Award – ANJE (2012)
- Internationalization Award – Gesventure (2011)
- Businesswoman Grow Award – INOVAGAIA (2011)
- BES National Innovation Contest: Healthcare 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)

Distr

BioAthos
DISPOSITIVOS MÉDICOS

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porous synthetic bone material
hydroxyapatite and beta-tricalcium phosphate



Ver.01 ENG

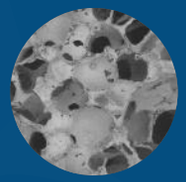
BONE GRAFT

adbone®BCP

adbone®BCP is a porous synthetic bone biomaterial, composed of 75% of hydroxyapatite and 25% of beta-tricalcium phosphate (β-TCP), designed for filling bone voids or defects of the buccomaxillofacial region.

The chemical composition of **adbone®BCP** is similar to the mineral phase of the human bone and presents an excellent mechanical resistance.

adbone®BCP has an interconnected porous structure which allows an excellent osteointegration and vascularization. As the bone healing process occurs, **adbone®BCP** is resorbed and replaced by new bone tissue. It can be mixed with PRP, PRF or patient´s blood, creating a cohesive and easy to use mixture.



Scanning Electron Microscopy (SEM) analysis

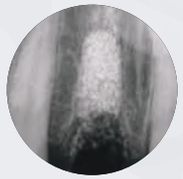


Histology of adbone®BCP, fully surrounded by viable bone

With an excellent malleability and osteointegration, **adbone®BCP** is intended to be used as a filling material for bone defects which 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®BCP acts as natural bone**

Why choose adbone®BCP ?



Radiopaque
Allows the perfect monitorization of osteointegration



Vascularization
Induces a remarkable vascularization



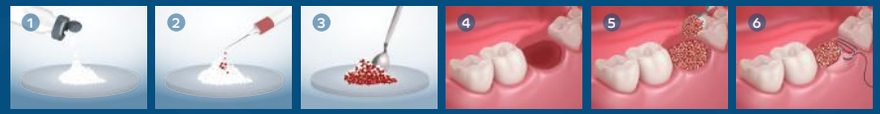
Resorbable
Totally synthetic origin, it is replaced by new vital bone



Volume Stability
It is very hydrohilic, which confers an excellent cohesivity of the particles
The high mechanical resistance allows the conservation of the initial cavity volume



No membrane
It is not necessary to use membrane due to its physical and mechanical properties



REFERENCES	GEOMETRY	RANGE SIZE	QUANTITY
BCP010505G BCP050105G	Granules	0.1 - 0.5mm 0.5 - 1mm	0.5g x 1 Unit
BCP010505P BCP050105P	Granules	0.1 - 0.5mm 0.5 - 1mm	0.5g x 5 Units
BCP010510G BCP050110G BCP010210G	Granules	0.1 - 0.5mm 0.5 - 1mm 1 - 2mm	1g x 1 Unit
BCP010510P BCP050110P BCP010210P	Granules	0.1 - 0.5mm 0.5 - 1mm 1 - 2mm	1g x 5 Units
BCP080820C	Cylinder	8 x 20mm	1 Unit
BCP051015B BCP080820B BCP151520B	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