

TriPho™ TCP

99,9% Tricalcium Phosphate(b-TCP)

FEATURES

► Maximum Security

100% synthetic and 100% resorbable



► Resorbable

TriPho™ TCP is replaced by new vital bone within 1-6 months



► High Cohesiveness

TriPho™ TCP particles present high cohesivity, conserving the volume of the initial cavity



► Vascularization

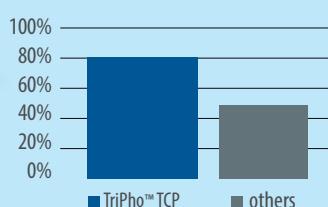
TriPho™ TCP induces a remarkable vascularization

► Perfect Osteointegration

Pore size: 300 to 500 micron

Tripho™ TCP acts as Natural Bone

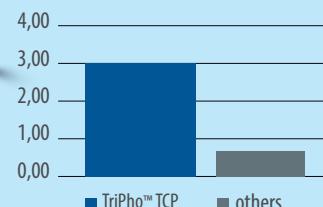
Porosity*



Pore Size (μm)*



Mechanical Resistance (MPa)*



*Reference: C. M. S. Ranito, F. C. Oliveira, J. P. Borges, "Hydroxyapatite foams for bone replacement" Key Mater. Eng. 284-286 (2005) 341-344; C. M. S. Ranito, "Fabrication of Hydroxyapatite foams bone medical applications", SPM, vol 15, n°3/4 (2003) 2-15;

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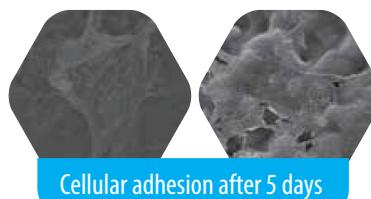
TriPho™ TCP is a porous synthetic ceramic, based in Tricalcium Phosphate (B-TCP). The TCP component, resorbs quickly and allows the ceramic to have properties which facilitate excellent osteointegration.

INDICATIONS

TriPho™ TCP is intended to be used a bone void filler or augmentation material for bone defects that are not intrinsic to the stability of the bony structure:

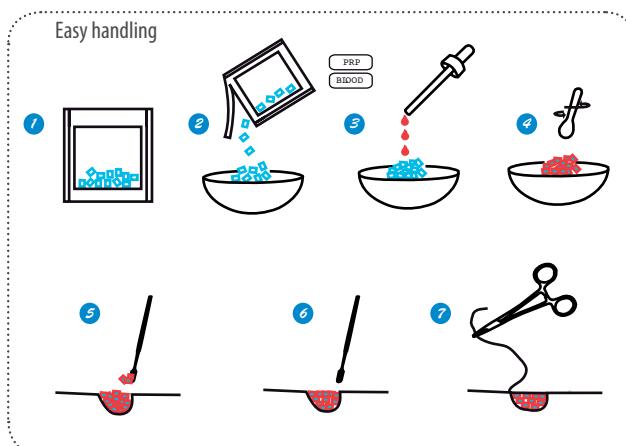
- ▶ Fractures with bone defect
- ▶ Vertebral arthrodesis
- ▶ Tibial Osteotomy
- ▶ Total Knee and Hip Revision
- ▶ Spine Surgery

TriPho™ TCP can be mixed with autograft, bone marrow, blood.



Cellular adhesion after 5 days

References	Geometry	Size	Quantity
TPT030405G	Granules	3 - 4 mm	5cc x 1 Unit
TPT030407G			7cc x 1 Unit
TPT030410G			10cc x 1 Unit
TPT030411G			11cc x 1 Unit
TPT030415G			15cc x 1 Unit
TPT030416G			16cc x 1 Unit
TPT030420G			20cc x 1 Unit
TPT030421G			21cc x 1 Unit
TPT030430G			30cc x 1 Unit
TPT080820B	Block	8 x 8 x 20 mm	
TPT151520B		15 x 15 x 20 mm	1 Unit
TPT152030B		15 x 20 x 30 mm	
TPT080820C	Cylinder	8 x 20 mm	1 Unit
TPT062530W	Wedge	6 x 25 x 30 mm	
TPT082530W		8 x 25 x 30 mm	
TPT102530W		10 x 25 x 30 mm	1 Unit
TPT122530W		12 x 25 x 30 mm	
TPT142530W		14 x 25 x 30 mm	



References:

- C. M. S. Ranito, F. A. Oliveira, J. P. Borges, "Mechanical behaviour of dense hydroxyapatite blocks", Advanced Materials Forum III, Vol 514-516, 1083 (2006);
- C. M. S. Ranito, F. A. Oliveira, J. P. Borges, "Synthesis of calcium phosphate powders for biomedical applications using Taguchi's method", Advanced Materials Forum III, Vol 514-516, 1025 (2006);
- C. M. S. Ranito, F. C. Oliveira, J. P. Borges, "Hydroxyapatite foams for bone replacement", Key Mater. Eng. 284-286 (2005) 341-344;
- C. M. S. Ranito, "Fabrication of Hydroxyapatite foams bone medical applications", SPM, vol 15, n°3/4 (2003) 2-15;

Awards:

- National Young Entrepreneur Award 2012
- GESVENTURE Internationalization Award 2011
- Entrepreneur of the Year Award 2011
- National Women Entrepreneur Award 2011
- BES Innovation Award 2009
- Entrepreneurship Merit Medal 2009
- Business Ideas Contest Award 2008
- College of Material Science Engineering Award 2006
- Federation of the European Materials Societies Award 2003

Produced exclusively for



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