

99,9% Tricalcium phosphate (TCP)



- 100% synthetic bone material
- Osteoconductive
- High porosity (90%)
- Bioresorbable (1-6 months)
- Hydrophilic
- Radiopaque



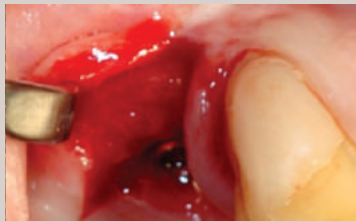
For quick
RESULTS

SAFE



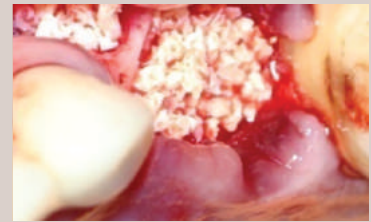
Not human or animal tissues are used. 100% synthetic.

BIORESORBABLE



Totally replaced by new bone within 3-12 months

NO MEMBRANE



Not necessary to use membrane

RADIOPAQUE



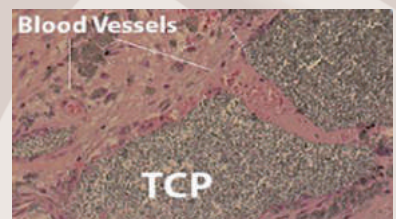
Allows to estimate the maturation of bone

HYDROPHILIC



Excellent adhesion

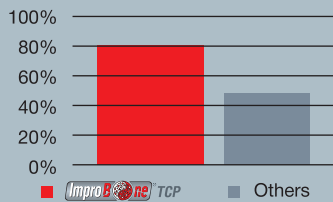
VASCULARIZATION



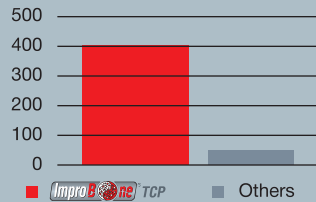
Induces angiogenesis and ensures vascularization

Resorption time from 1 month!

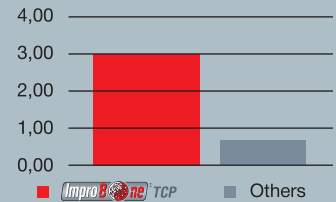
Porosity*



Pore size (µm)*

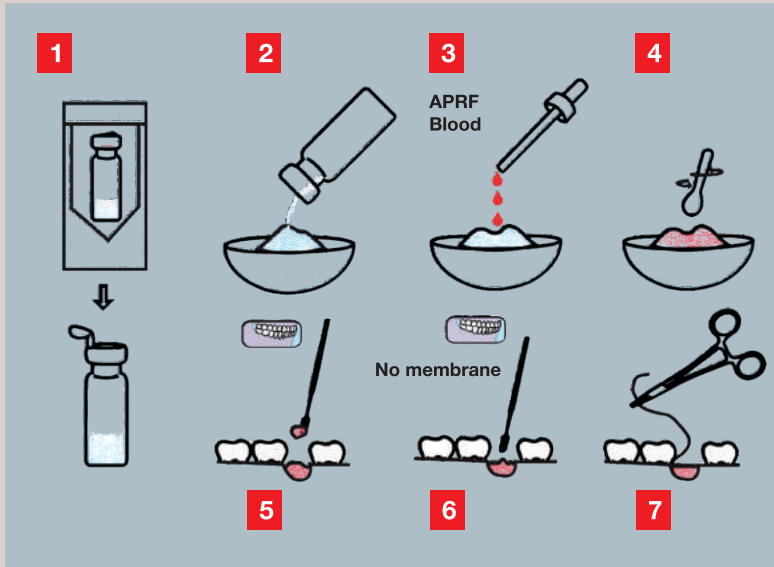


Mechanical Resistance (MPa)



Perence: C.M.S. Ranito, F.C. Olivera, 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 mediacalapplications, SPM, vol 15, n°3/4 (2003) 2-15.



Instruction

- Impregnate ImproBone TCP with patient's blood (APRF or IPRF) or mix with with the autologous bone
- Place ImproBone TCP on slightly bloody or decorticated bone, or into socket
- Slightly pack the material
- Mixing of ImproBone TCP with other materials is possible under dentist response

Indications

- GBR of small defects
- Filling of bone pockets around the teeth
- Ridge preservation
- GBR around dental implants
- Sinus lifting- crestal approach

Properties

- ImproBone TCP is porous synthetic ceramic, containing calcium phosphate and designed to fill bone defects. This ceramic consists of Beta-Tricalcium phosphate.
- Calcium phosphate ceramic is rapidly osteointegrated due to chemical composition because it is very close to the mineral phase of human bone and due to its high porosity, which ensures full graft vascularization
- Tricalcium phosphate is more soluble than HA and improves the resorption of material, allowing to achieve resorption rate similar to physiology of bone cells. Optimal for small defects. Resorption time 1-3 months (up to 6 months).

Ref No	Size	Quantity
IBT010505G	0.1 - 0.5 mm	0,5 g x 1 pc
IBT050105G	0.5 - 1 mm	
IBT010505P	0.1 - 0.5 mm	0,5 g x 5 pcs
IBT050105P	0.5 - 1 mm	
IBT010510G	0.1 - 0.5 mm	1 g x 1 pc
IBT050110G	0.5 - 1 mm	
IBT010210G	1-2 mm	
IBT010510P	0.1 - 0.5 mm	1 g x 5 pcs
IBT050110P	0.5 - 1 mm	
IBT010210P	1-2 mm	



1 - 2 mm



0.5 - 1 mm



0.1 - 0.5 mm