

tB techBiomat

SPECIALIST IN BIOMATERIALS

Technology in Biomaterials, settled in Barcelona since its foundation in 2011, created by professionals with a large experience in biomaterials and other medical fields. Its main activity revolves around production of biomaterials for surgery. **TiB**'s goal is to offer a complete line of high-level biomaterials, driven by an absolute commitment to quality products. **TiB** manufactures its own cutting-edge, Class III Medical devices. Thanks to this, **TiB** is enforcing the strictest security protocols.



PROPERTIES

Bone graft 100% natural

Easy handling

Rapid bone regeneration

Excellent osteoconductivity

High wettability

INDICATIONS

- Reconstruction
- Increase of alveolar ridges
- Bone dehiscence
- Filling of immediate implants
- Sinus lift procedures
- Preparing implant sites
- Filling of bone defects

Maximum efficacy and safety in bone regeneration

The characteristics of the natural and anorganic structure of **Techbiomatbone[®]** can be compared to that of human bone

Surface Area comparison

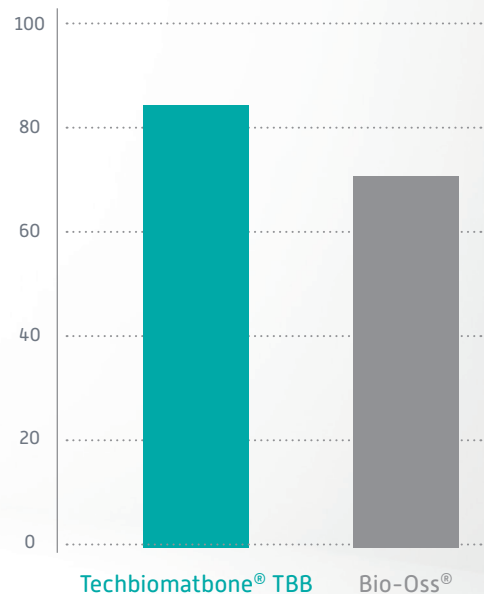
The pore distribution system and its porous structure benefit the formation of new bone.

Techbiomatbone[®] TBB
78,5

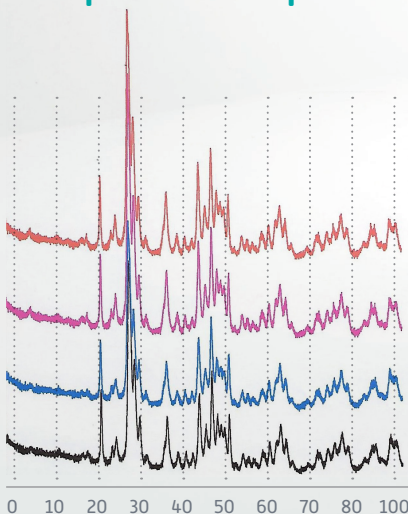
Bio-Oss[®]
73,1

Comparative study Techbiomatbone[®] / Bio-Oss[®]. Ref. CSIC-ICP INF.UA-01/16. 2016.03

Inner Surface Area (m²/g)



XRD patterns comparison



Techbiomatbone[®] 1

Techbiomatbone[®] 2

Techbiomatbone[®] 3

Bio-Oss[®]

XRD patterns-comparison. Ref. LABTE INF.20190228AQA 2019.03

Ratio Ca/P

The ratio Ca/P of TBB is almost same as that of human bone

Techbiomatbone[®] TBB
1.68- 1.71

Human bone
1.72

The best hydroxyapatite of spongiuous bovine bone **for its quality-price ratio**