

BIOBank  
20 years of expertise  
dedicated to health

**BIOBank Synergy**  
in key figures:

**0,5 %**  
residual lipids<sup>1</sup>

**6 HOURS**  
until the first signs of cellular  
stimulation<sup>3</sup>

**MORE**  
macrophages differentiated  
into a pro-regenerative mode<sup>3</sup>

## SIMPLIFYING SURGERY

BIOBank Synergy is indicated for the filling of bone defects in dental, oral, and maxillofacial surgery, including the following indications:

- Alveolar ridge preservation.
- Sinus lift procedures.
- Peri-implant defects.

## PRODUCT REFERENCES

BIOBank Synergy is available in two volumes and is supplied individually in syringes

with double sterile packaging:

**800105** • BIOBank Synergy **0,5 cc**

**800110** • BIOBank Synergy **1,0 cc**

1. J. Fages et al. (1994) Use of Supercritical CO2 for Bone Delipidation. *Biomaterials*, 15(9):650-656.
2. Vastel et al. (2008) Comparative Ultrasound Evaluation of Human Trabecular Bone Graft Properties After Treatment with Different Sterilization Procedures. *J Biomed Mater Res B Appl Biomater*, 90(1):430-7.
3. P. Tournier et al. (2021) A partially demineralized allogeneic bone graft: in vitro osteogenic potential and preclinical evaluation in two different intramembranous bone healing models. *Scientific Reports*, 11:4907
4. J. Fages et al. (1998) Bone Allografts and Supercritical Processing: Effects on Osteointegration and Viral Safety. *J of Supercritical Fluids*, 13:351-356.



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# BIOBank Synergy® DBM\* PUTTY

NEW GENERATION BONE MATRIX



THE 100% NATURAL DBM\* PUTTY  
FOR MAXIMUM REGENERATION

\*Demineralized Bone Matrix with 25% residual minerals





## BIOBank WHO ARE WE ?

- The first French bone allograft bank, BIOBank is an independent company **certified under ISO 13485**, serving healthcare professionals for over 20 years.
- **Authorized by the ANSM** (French National Agency for the Safety of Medicines and Health Products), the company carries out all tissue bank activities — from collecting femoral heads to processing bone grafts.
- Our studies demonstrate the **efficacy of our Supercrit® process** for inactivating both common and emerging viruses<sup>4</sup>.



### QUALITY

BIOBank is committed to **delivering high-quality products and services.**



### RIGOR

By applying the strictest standards and regulations, **BIOBank ensures the safety of its products.**



### INNOVATION

To meet current and future needs of surgeons and patients, **BIOBank invests continuously in research and development.**

« EXPERTS EN CHIRURGIE MAXILLOFACIALE, ORALE ET DENTAIRE DEPUIS PLUS DE 20 ANS, NOUS SOMMES ENGAGÉS À PROMOUVOIR DES PRODUITS DE QUALITÉ RÉPONDANT AUX BESOINS DE NOS CLIENTS »

## THE DNA of BIOBank

**BIOBank Synergy® is the result of ten years of research and development and is protected by a global patent..**

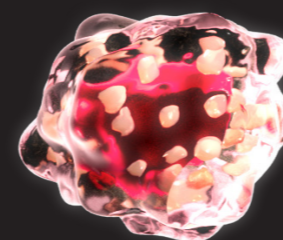
This product is manufactured from our proprietary allogeneic bone powder, processed through our exclusive Supercrit® procedure. An additional step perfects the process, creating a unique putty that retains both collagen and minerals to promote maximum bone regeneration.

## MAXIMUM HEALING

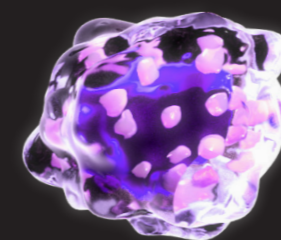
Thanks to our **Supercrit® process**, BIOBank Synergy has a residual lipid content of less than 0.5%, eliminating the need for aggressive chemical treatments that can damage bone tissue<sup>1</sup>.

Both **collagen and minerals are preserved** in their **100% natural** state in BIOBank Synergy<sup>2</sup>.

Compared to BIOBank bone powder, BIOBank Synergy benefits from our globally patented process to increase collagen exposure, promoting better cell adhesion and enhanced bone regeneration<sup>3</sup>.



Pro-inflammatory Mode



Pro-regenerative Mode

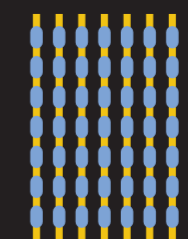
## EASE OF USE

BIOBank Synergy® is easy to handle during surgery thanks to:

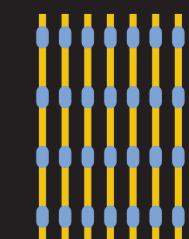
- A **ready-to-use format** with no need for preparation.
- A **syringe-based packaging** for direct application to the graft site.
- A **cohesive, malleable texture** that conforms to the bone defect.

BIOBank Synergy® shows the first signs of cellular stimulation in **as little as 6 hours**<sup>3</sup>.

Bone matrix is composed of collagen fibers and mineral crystals.



Mineralized



Partially demineralized

## REDUCED INFLAMMATION

BIOBank Synergy® promotes healing while reducing inflammation thanks to:

- A **100% natural excipient** that creates a paste-like texture.
- Enhanced differentiation of macrophages toward a **pro-regenerative mode**<sup>3</sup>.

BIOBank Synergy offers dual regenerative action thanks to both collagen and macrophage modulation<sup>3</sup>.

