

BIOBank Synergy® in key figures:

0,5 %
residual lipids ¹.

6 HOURS
until first signs of cellular
stimulation ³.

MORE
macrophages differentiated
into a pro-regenerative mode.

96,7%
fusion rate at 24 months ⁵.

SIMPLIFYING SPINAL SURGERY

BIOBank Synergy® is indicated for the filling of bone defects and may be used in spinal surgery for the following applications and at the following spinal sites:

- Spinal fusion
- Stability of the Intervertebral space
- Posterolateral canal
- Transforaminal space
- Facet joints
- Around spinal instrumentation

PRODUCT REFERENCES

BIOBank Synergy® is available in multiple volumes and is supplied individually in syringes with double sterile packaging:

- 800105** • BIOBank Synergy® **0,5 cc**
- 800110** • BIOBank Synergy® **1,0 cc**
- 800220** • BIOBank Synergy® **2,0 cc**
- 800240** • BIOBank Synergy® **4,0 cc**
- 800280** • BIOBank Synergy® **8,0 cc**

1. J. Fages et al. (1994) Use of Supercritical CO2 for Bone Delipidation. *Biomaterials*, 15(9):650-656.

2. Diallo et al. (2021) Osteoformation potential of an allogenic partially demineralized bone matrix in critical-size defects in the rat calvarium. *Mater Sci Eng C*, doi:10.1016/j.msec.2021.112207

3. P. Tournier et al. (2021) A partially demineralized allogenic 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.

5. Le Huec et al. (2025) Early clinical experience with a new supercritical CO2 virus-inactivated bone paste allograft in cervical interbody fusion, doi: 10.1007/s00586-025-08851-8.



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BIOBank Synergy CH-202402-0001



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?

- As the first French entity specialized in bone allografts, BIOBank is an independent company with **ISO 13485 certification**, serving healthcare professionals for over 20 years.
- **Authorized by the ANSM** (French National Agency for Medicines and Health Products Safety), BIOBank carries out all the activities of a tissue bank – from the collection of bone tissues from living donors to their transformation into viral-inactivated sterile bone grafts.
- Our studies demonstrate the **efficacy of our Supercrit® process** for inactivating both common and emerging viruses⁴.



THE DNA of BIOBank

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.**

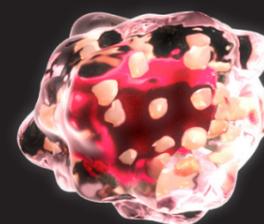
BIOBank Synergy® is the result of ten years of research and development and is protected by a global patent.

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, promoting maximum bone regeneration.

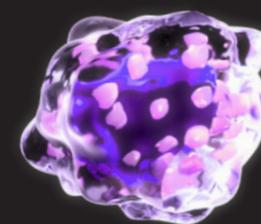
MAXIMUM HEALING

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 tissue¹.

Compared to BIOBank bone powder, our globally patented process gives way to the unique composition of BIOBank Synergy® that promotes **better cell adhesion** thanks to the exposure of **collagen-rich gelatin** that surrounds **partially demineralised** bone particles and **enhanced bone regeneration**³.

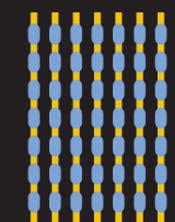


Pro-inflammatory Mode

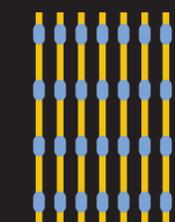


Pro-regenerative Mode

Bone matrix is composed of collagen fibers and mineral crystals.



Mineralized



Partially demineralized

BIOBank Synergy® shows the first signs of cellular stimulation in **6 hours**³.

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**³.

BIOBank Synergy® offers **dual regenerative action** thanks to both collagen and macrophage modulation³.

EASE OF USE

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

- A **ready-to-use format** with no need for rehydration or the addition of minerals.
- A **pre-filled syringe** for direct application to the graft site.
- A **cohesive, malleable texture** that conforms to the bone defect.

