



PliaFX[®] Prime

Clinical Overview

PliaFX Prime is 100% bone fibers, demineralized to encourage bone formation. The fibers interlock, allowing the graft to become moldable upon rehydration without the use of a carrier.

Applications

- Surgical procedures that require bone void filler

Why Use

- **100% Bone:** Facilitates natural remodeling during the bone healing process (no human, xenograft or synthetic carriers).¹
- **Osteoconductive:** The large surface area and interconnected network of demineralized cortical fibers provides a scaffold that promotes cellular attachment and cell spreading.^{2,3}
- **Osteoinductive Potential:** Optimally demineralized by LifeNet Health's proprietary PAD[®] technology to expose natural growth factors.³⁻⁸
- **Versatile:** Moldable upon rehydration to conform to the surgical site.
- **Resists Migration:** Interlocking fibers allow graft to remain intact and in place.
- **Safety:** Sterilized using proprietary Allowash XG[®] technology, providing a sterility assurance level of 10⁻⁶ to reduce the risk of disease transmission without compromising the graft's osteoconductive properties or osteoinductive potential.^{3,9}
- **Convenience:** Ambient storage and rapid rehydration.

1. Cornell C, Lane J. Current understanding of osteoconduction in bone regeneration. Clin Orthop Relat Res. 1998 Oct; (355 Suppl): S267-73.

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4. Zhang M, Powers RM, and Wolfinbarger L. Effect(s) of the demineralization process on the osteoinductivity of demineralized bone matrix. J Periodontol. 1997; 68:1085-1092

5. Turonis JW, McPherson JC 3rd, Cuenin MF, et al. The effect of residual calcium in decalcified freeze-dried bone allograft in a critical-sized defect in the Rattus norvegicus calvarium. J Oral Implantol. 2006; 32(2):55-62

6. Herold RW, Pashley DH, Cuenin MF, et al. The effects of Varying degrees of Allograft Decalcification on Cultured Porcine Osteoclast cells. J Periodontol. 2002 Feb; 73(2):213-9

7. Mott DA, Mailhot J, Cuenin MF, et al. Enhancement of osteoblast proliferation in vitro by selective enrichment of demineralized freeze-dried bone allograft with specific growth factors. J Oral Implantol. 2002; 28(2):57-66

8. Pietrzak WS, Ali SN, Chitturi D, et al. BMP depletion occurs during prolonged acid demineralization of bone: characterization and implications for graft preparation. Cell Tiss. Bank. 2007 (Published on line)

9. Eisenlohr LM. "Allograft Tissue Sterilization Using Allowash XG[®]." 2007 Bio-Implants Brief.



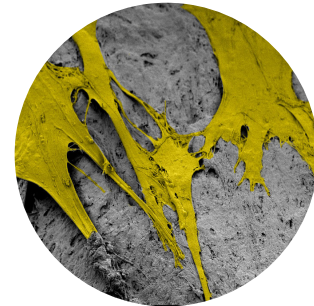
PliaFX Prime		
Order Code	Volume	Shelf Life
BL-1800-01	1.0 cc	4 years
BL-1800-02	2.5 cc	5 years
BL-1800-05	5.0 cc	5 years
BL-1800-10	10.0 cc	5 years



100% bone fibers



Moldable upon rehydration



Hospitable environment for bone growth
Cell spreading at 7 days



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