

PliaFX® Prime

Clinical Overview

PliaFX Prime is 100% bone fibers, demineralized to encourage bone formation and healing. 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)
- **Osteoconductive:** The large surface area and interconnected network of demineralized cortical fibers provides a scaffold that promotes cellular attachment and cell spreading.[1,2]
- **Osteoinductive Potential:** Optimally demineralized by LifeNet Health's proprietary PAD® technology to expose natural growth factors[2-7]
- **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[2,8]
- **Convenience:** Ambient storage and rapid rehydration

1. Murphy MB, Suzuki RK, Sand TT, et al. Short term culture of mesenchymal stem cells with commercial osteoconductive carriers provides unique insights into biocompatibility. J Clin. Med. 2013; 2,49-66; doi:10.3390/jcm2030049

2. Data on file LifeNet Health, ES-17-111-02

3. 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

4. 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

5. 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

6. 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

7. 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)

8. Eisenlohr LM. "Allograft Tissue Sterilization Using Allowash XG(R)." 2007 Bio-Implants Brief.

LifeNet Health®
Saving Lives. Restoring Health. Giving Hope.

North America
1.888.847.7831
orders@lifenethealth.org

Europe
+ 43 1 375002710
eu_orders@lifenethealth.eu

Latin America ▫ Asia ▫ Middle East
1.757.464.4761 ext. 2000
internat.orders@lifenethealth.org

www.LifeNetHealth.org
www.LifeNetHealth.eu



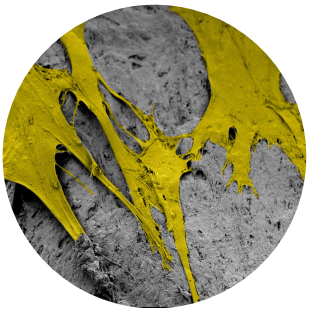
PliaFX Prime		
Order Code	Volume	Shelf Life
BL-1800-00	0.5 cc	4 years
BL-1800-01	1.0 cc	4 years
BL-1800-02	2.5 cc	5 years
BL-1800-05	5.0 cc	5 years
BL-1800-10	10.0 cc	5 years



100% bone fibers



Moldable upon rehydration



Hospitable environment for bone growth
Cell spreading at 7 days

68-60-199.01
The LifeNet Health logo, PliaFX, PAD, and Allowash XG are registered trademarks of LifeNet Health.
©2018 LifeNet Health. All rights reserved.

US

LifeNet Health®
Saving Lives. Restoring Health. Giving Hope.

North America
1.888.847.7831
orders@lifenethealth.org

Europe
+ 43 1 375002710
eu_orders@lifenethealth.eu

Latin America ▫ Asia ▫ Middle East
1.757.464.4761 ext. 2000
internat.orders@lifenethealth.org

www.LifeNetHealth.org
www.LifeNetHealth.eu