

Pliafx® Pak

Mouldable Demineralised Fibres with Cancellous



Clinical Overview

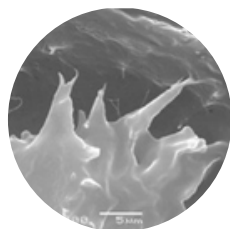
PliaFX Pak is a proprietary mix of 100% bone, mouldable demineralised cortical fibres with cancellous chips, providing optimised handling, hemostatic¹ and osteoconductive^{2,3} properties. The demineralised fibres interlock with the cancellous chips, allowing the graft to become mouldable upon rehydration without the use of a carrier.⁴

Applications

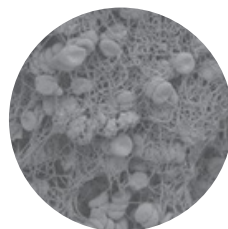
Orthopaedic fracture, fusion, osteotomy and/or other procedures requiring filling of large bone defects to promote healing.

Why Use

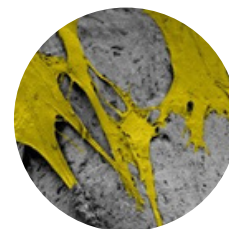
- **Optimised Handling:** Fibers interlock with cancellous chips to provide a mouldable, intact graft that easily transfers to the surgical site, conforms to the surgical site and resists migration.⁴
- **Hemostatic:** Fibres and cancellous chips facilitate coagulation and stop bleeding.¹
- **Osteoconductive:** Large surface area and interconnected network of fibres and cancellous chips provides a scaffold that promotes cell attachment and cell spreading.^{2,3} 100%
- **Bone:** Demineralised fibres and cancellous chips facilitate natural remodelling during the bone healing process (no human, xenograft or synthetic carriers).
- **New Bone Formation Potential:** Fibres demineralised by PAD® technology retain osteoinductive and angiogenic growth factors and thus retain the potential to induce new bone and blood vessel formation in vivo.^{3,5,6,†}
- **Safety:** Sterilised 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.^{7,8,9}
- **Customisable:** Easily mixes with autograft, allograft and/or fluid of surgeon's choice.⁴ Convenient: Ambient storage and rapid rehydration.⁴



Interlocking fibre microhooks provide mouldable handling



Hemostatic fibers facilitate coagulation and stop bleeding¹



Osteoconductive scaffold promotes cell spreading at 7 days³

Speak to your local Business Development Manager, for further information using the details below:

T: 01443 719 555

E: customerservice@hospitalinnovations.co.uk

W: www.hospitalinnovations.com

HOSPITAL
INNOVATIONS





Pliafx Pak

Ambient Storage*

Volume	Order Code	Shelf Life
10 cc	BL-2000-10	5 years
20 cc	BL-2000-20	5 years
30 cc	BL-2000-30	5 years

*While ambient room temperature has not been defined by regulatory bodies, LifeNet Health would recommend storage at 2°C to 37°C with excursions of less than 24 hours up to 40°C. If an excursion outside this range occurs, please contact LifeNet Health.



100% Bone. Precision-machined cortical fibres with cancellous chips



Mouldable upon rehydration and easily transfers to the surgical site⁴



Conforms to the surgical site and resists migration⁴

References

1. Data on file LifeNet Health CC#68143
2. 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
3. Data on file LifeNet Health ES-17-111-02
4. Data on file LifeNet Health ES-21-049
5. Data on file LifeNet Health ES-17-110
6. Data on file LifeNet Health TR-19-0446
7. Data on file LifeNet Health 68-60-037 Sterilisation Process Validation
8. Weintraub S, Reddi AH. Influence of irradiation on the Osteoinductive potential of demineralised bone matrix. Calcif Tissue Int. 1988; 42(4):255-60
9. Eisenlohr LM. "Allograft Tissue Sterilisation Using Allowash XG®." 2007 BioImplants Brief

† Results in an animal model may not be representative of performance in humans.

Speak to your local Business Development Manager,
for further information using the details below:

T: 01443 719 555

E: customerservice@hospitalinnovations.co.uk

W: www.hospitalinnovations.com

Hospital Innovations Limited
Concept House
Talbot Green Business Park
Pontyclun
CF72 9FG

HOSPITAL
INNOVATIONS