HOSPITAL INNOVATIONS

Plia fx® Pak

Mouldable Demineralised Fibres with Cancellous

Clinical Overview

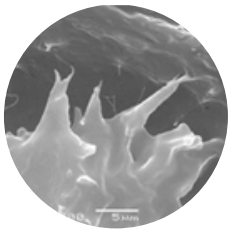
PliaFX Pak is a proprietary mix of 100% bone, mouldable demineralised cortical fibres with cancellous chips, providing optimised handling, hemostatic1 and osteoconductive2,3 properties. The demineralised fibres interlock with the cancellous chips, allowing the graft to become mouldable upon rehydration without the use of a carrier.4

Applications

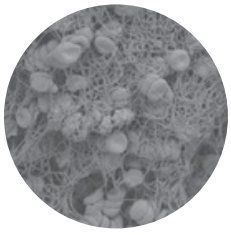
Orthopaedic fracture, fusion, osteotomy and/or other procedures requiring filling of large bone defects to promote healing.

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 fibres facilitate coagulation and stop bleeding[1]

Osteoconductive scaffold promotes cell spreading at 7 days[3]

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.Weintroub 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 or contact us using the details below:

T: 01443 719 555
E: customerservice@hiuk.co.uk
www.hospitalinnovations.com

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