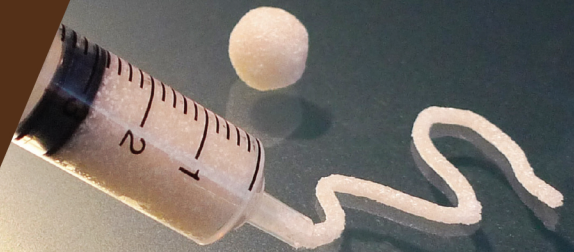


FUSION *Xpress*

Injectable Bone Putty



✓ Real Bone

Stimulates osteoblasts to form new bone
Fully resorbable and biocompatible

✓ One Product for All Grafting Needs

Perfect for placement into even hard-to-reach locations
Works with all cages and plates

✓ Fast, Easy Handling

No mixing | Direct delivery from syringe to defect site
Graft stays where you put it

✓ Affordable

Get faster bone healing at a cost-effective price

Distributed by:

Serona
animal health

www.serona.ca
1.866.973.7662
info@serona.ca



The Bone Graft Experts
VETERINARY TRANSPLANT SERVICES, INC.

FUSION *Xpress* is the next generation INJECTABLE bone putty

WHAT IS FUSION *Xpress* ?

Fusion Xpress bone putty is a combination of demineralized cortical bone (DBM), cancellous bone and calcium-phosphate minerals in a resorbable carrier.



FEATURES + BENEFITS

Excellent Delivery Characteristics

Easily expressed from the syringe directly into any site. FUSION Xpress stays in the site even under vigorous irrigation.

Osteoinductive

It is well documented that DBM contains a full compliment of naturally present growth factors (BMPs)¹. These BMPs facilitate the osteoinductivity needed for optimal bone regeneration.

Osteoconductive

The calcium and phosphate minerals consist of beta-tricalcium phosphate (β -TCP) and hydroxyapatite (HA), both found in real bone. The combination of these minerals and real cancellous bone provide a natural osteoconductive scaffold to support in-growth of bone-forming cells and release minerals locally for use in bone mineralization.

FUSION *Xpress* IS SUCCESS

The KEY to success with engineered combination products is the balance of intrinsic growth factors (BMPs) in DBM and phased synthetic graft resorption. This powerful combination creates an enhanced environment that supports osseous regeneration throughout the stages of healing, resulting in bony FUSION.

Combining osteoconductive biphasic synthetics with an osteoinductive agent such as DBM is a most promising combination for achieving reliably successful fusion without the use of autograft.³

INDICATIONS

Filling, bridging and/or reconstruction of bony defects.

DENTAL

- ✓ Void filling / Extraction sites
- ✓ Periodontal pockets
- ✓ Bone loss
- ✓ Mandibular fracture repair
- ✓ Cysts / Other osseous defects
- ✓ Guided Bone Regeneration

ORTHO

- ✓ TTA / TTA Rapid / TPLO
- ✓ Angular limb deformities
- ✓ Void filling / Osteotomy sites
- ✓ Comminuted fractures, non or delayed unions
- ✓ Arthrodesis
- ✓ Anywhere autograft would be used

DOSE SIZES

Individually packaged syringes for either orthopedic or dental use.

ORTHO & DENTAL: 0.5 cc 1.0 cc 2.5 cc

REFERENCES

1. Reddi AH. Initiation of fracture repair by bone morphogenetic proteins. Clin Orthop Relat Res. (355S) Suppl: 566-72, 1998
2. Daculsi et al., Transformation of biphasic calcium phosphate ceramics in vivo: ultrastructural and physicochemical characterization. J Bio Mat Res 23:883-94,1989
3. Spivak JM, Hasharoni A. Use of hydroxyapatite in spine surgery. Eur Spine J. 10: S197-S204, 2001