ArthroCell™ Plus Viable Bone Graft

Product Highlight

ArthroCell™ Plus viable bone graft is the next generation of viable bone grafts, containing key elements ideal for bone formation. ArthroCell Plus grafts can be used in a variety of orthopedic applications, including spinal fusions, extremity fractures and fusions, and oncological reconstruction. The graft is delivered in an easy-to-use syringe with a minimal preparation time of less than 15 minutes.

ArthroCell Plus viable bone grafts provide an osteoconductive bone scaffold composed of mineralized cancellous bone and demineralized cortical fibers. Bone fibers offer superior osteoconductivity when compared to powder due to the increased ability for cells to migrate along fibers, creating "cellular highways" for bone formation.[1] In contrast, particulate-based demineralized bone matrices (DBMs) have gaps between the particles that osteoblasts cannot always bridge across.[1] The demineralized cortical fibers are supplemented with cancellous chips to deliver a 100% human-derived product that mimics the particulate structure of native bone.

Components of ArthroCell Plus Viable Bone Grafts

- Osteoconductive 3-dimensional scaffold with cortical and cancellous components
- Demineralized cortical bone scaffold, which has osteoinductive potential[2]
- Viable endogenous bone cells support the osteogenic healing processes[3]

Features and Benefits

- Cell viability and function are preserved using a novel DMSO-free cryoprotectant that does not require decanting prior to use
- Shelf life of 3 years from date of processing when stored at -65˚ C or below
- Minimal preparation time of less than 15 minutes
- Delivered in an easy-to-use syringe

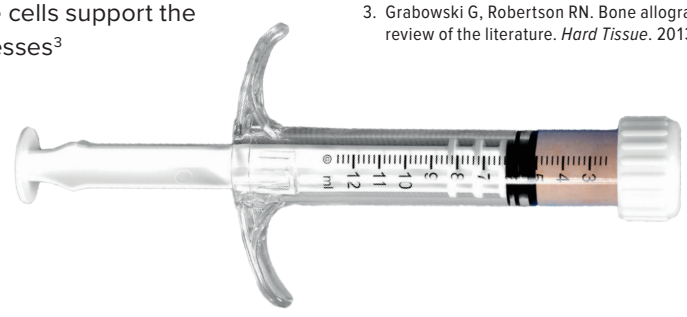
Ordering Information

ArthroCell Plus Allograft

Product Description	Part Number
ArthroCell Plus Viable Bone Graft, 1.0 cc	ABS-**2090-01**
ArthroCell Plus Viable Bone Graft, 2.5 cc	ABS-**2090-02**
ArthroCell Plus Viable Bone Graft, 5.0 cc	ABS-**2090-05**
ArthroCell Plus Viable Bone Graft, 10 cc	ABS-**2090-10**

References

1. Martin GJ Jr, Boden SD, Titus L, Scarborough NL. New formulations of demineralized bone matrix as a more effective graft alternative in experimental posterolateral lumbar spine arthrodesis. *Spine.* 1999;24(7):637-645. doi:10.1097/00007632-199904010-00005
2. Gruskin E, Doll BA, Futrell FW, Schmitz JP, Hollinger JO. Demineralized bone matrix in bone repair: history and use. *Adv Drug Deliv Rev.* 2012;64(12):1063-1077. doi:10.1016/j.addr.2012.06.008
3. Grabowski G, Robertson RN. Bone allograft with mesenchymal stem cells: A critical review of the literature. *Hard Tissue.* 2013;22(2):20.



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