











**CeLLogix cellular bone matrix is a viable allogeneic bone allograft containing viable bone-derived cells. CeLLogix contains the three key elements that are ideal for bone formation:**

-  An osteoconductive three-dimensional scaffold with cortical and cancellous components.
-  A demineralized bone scaffold with osteoinductive potential which provides exposure of signaling molecules and bone morphogenetic proteins.<sup>1</sup>
-  Bone-derived cells to support osteogenic healing processes.

CeLLogix is prepared with a novel DMSO-free cryoprotectant, which provides dependable cell identity and the ability to sustain cell viability post-thaw. Final preparation of the cell and bone components yields a product that provides osteoconductive, osteoinductive, and osteogenic properties to enhance the patient's innate healing response.

## PRODUCT FEATURES:

-  Proprietary, optimized bone microparticulate size range of 100-300  $\mu\text{m}$ .<sup>2</sup>
-  Novel DMSO-free cryoprotectant, with no rinsing and decanting steps required.
-  Average cell viability exceeds 80% post-thaw.<sup>3</sup>
-  Minimum of 150,000 viable cells per cc of allograft post-thaw.<sup>3</sup>
-  Convenient handling and preparation time in the OR.
-  Four hour working window for implantation after thaw without loss of cell viability.
-  Product shelf-life is two years from date of processing when stored at  $-65^{\circ}\text{C}$  or colder.



Reference:

1. Gruskin, E. et.al., Demineralized bone matrix in bone repair: history and use. *Advanced Drug Delivery Reviews*, 2012. 64:1063-1077.
2. Malinin, T.I., et. al., Particulate bone allograft incorporation in regeneration of osseous defects; importance of particle sizes. *The Open Orthopaedics Journal*, 2007. 1:19-24.
3. Data on file at Vivex Biomedical, Inc.

### ORDERING INFORMATION:

CATALOG NUMBER	PRODUCT DESCRIPTION
OM-MAT01	Cellular Allograft Matrix, 1cc
OM-MAT05	Cellular Allograft Matrix, 5cc
OM-MAT10	Cellular Allograft Matrix, 10cc