



ViviGen[®] and ViviGen Formable[®]

Cellular Bone Matrix

Clinical Overview

ViviGen represents a paradigm shift in the field of bone repair and tissue engineering by focusing on lineage committed bone cells. At every step of ViviGen's processing, LifeNet Health has focused on maintaining the highest level of bone cell viability. ViviGen is a 361 Human Cells, Tissues, and Cellular and Tissue-based Product (HCT/P) comprised of cryopreserved corticocancellous bone containing endogenous lineage committed bone cells combined with demineralized bone delivering all three properties necessary for bone formation.

Applications

- Arthroplasty
- Limb salvage procedures
- Bone fusion applications for trauma and extremities
- Fusions for deformity and degenerative applications in the cervical and thoracolumbar spine

Features & Benefits

Osteogenic – Contains viable, lineage committed bone cells that are able to proliferate *in vitro* post cryopreservation and thaw.¹

Osteoconductive – Contains corticocancellous chips that provide a natural scaffold for cell attachment, cell migration, and cell proliferation.¹

Osteoinductive – Demineralization of the cortical bone exposes the natural growth factors within the matrix.¹

Safety – Every lot is aseptically processed and all final product is tested for sterility using USP<71> standards.

Packaging – The rapid heat transfer not only allows for all sizes to thaw in less than 5 minutes, but is also vital for cell viability.

Processing Time – ViviGen reaches cryopreservation within 72 hours, 24 hours sooner than competitive products, to maximize cell viability.

Maximized Cell Viability – The processing of ViviGen is focused on protecting viable, lineage committed bone cells from recovery to implantation.

Multiple Forms – ViviGen and ViviGen Formable provide a comprehensive solution to meet surgeons' clinical needs.





ViviGen

Store at -70°C or colder. Do not store in liquid phase of liquid nitrogen (LN₂), 12 month shelf life

Volume	Order Code
1 cc	BL-1500-001
5 cc	BL-1500-002
10 cc	BL-1500-003
15 cc	BL-1500-004



ViviGen Formable

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Volume	Order Code
Small (1.3 cc)	BL-1600-001
Medium (5.4 cc)	BL-1600-002
Large (11.0 cc)	BL-1600-003
X-Large (16.0 cc)	BL-1600-004

Instructions for use available at [LifeNetHealth.org/IFU](https://www.lifenethealth.org/IFU)

Reference

1. Data on File at LifeNet Health 65-0347.

