



MatriGRAFT®

Cloward Dowel

Clinical Overview

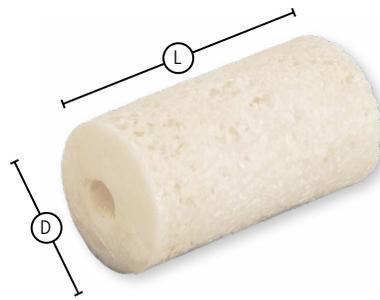
Bi-cortical cylindrical dowel with cancellous body and cortical ends; designed to provide immediate structural support and restore segmental bone loss.

Applications

- Anterior Cervical Fusion
- General Orthopedic Reconstructions

Features & Benefits

- **Osteoconductive:** Natural bone matrix facilitates cell attachment and proliferation, and vascular in-growth.¹
- **Structural:** Bi-cortical ends provide structural support.²
- **100% Human Bone:** Can remodel with the patient's own tissue during the healing process.¹
- **Pre-Hydrated:** Allograft bio-implants featuring Preservon® are stored in a fully-hydrated state at ambient temperatures. Preservon eliminates thawing and re-hydration time and does not require freezer storage or compromise the graft's inherent osteoconductive properties.²
- **Sterile:** Sterilized using patented and proprietary Allowash XG® technology which provides a sterility assurance level (SAL) of 10^{-6} , without compromising the graft's inherent osteoconductive properties.³
- **Convenient:** Set-pin allows for impactor to be screwed into graft. Implant is pre-sized to fit a variety of applications and minimize prep time in the operating room.



MatriGraft Cloward Dowel

Length: 15 - 30 mm (increments of 1mm) • 31 mm or greater (processed upon request)

Ambient Storage* • 5 Year Shelf Life

Diameter	Preservon	Freeze-Dried
10 mm	PCL10	CL10
11 mm; no set-pin	PCL11	MR11
12 mm	PCL12	CL12
13 mm	PCL13	M17HS
14 mm	PCL14	CL14
16 mm	PCL16	CL16
18 mm	PCL18	CL18

*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.

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

References

1. CN Cornell, JM Lane. "Current Understanding of Osteoconduction in Bone Regeneration." Clinical Orthop and Research. 1998; 355 suppl: S267-273.
2. Samsell et al. "Preservation of allograft bone using a glycerol solution: a compilation of original preclinical research." Biomaterials Research, (2019) 23:5 (published online).
3. Balsly CR, Cotter AT, Williams LA, Gaskins BD, Moore MA, Wolfinbarger L Jr. Effect of low dose and moderate dose gamma irradiation on the mechanical properties of bone and soft tissue allografts. Cell Tissue Bank. 2008;9(4):289-298. doi:10.1007/s10561-008-9069.

