



# OraGRAFT®

## Cortical Plate

### Clinical Overview

The shell technique involves using a thin plate of cortical bone, secured to host bone with at least two osteosynthesis screws, to create a biologic container that maintains the necessary space for bone graft particulates. The cortical plate functions as a stable, slowly resorbed material that can be used as a substitute for autologous bone recovered from the mandibular shelf, eliminating the need for a second surgical site.

### Why Use

- **Convenience:** Ready to use out of the package, no need for rehydration. The graft is preserved using LifeNet Health's proprietary Preservon® technology to maintain it in a hydrated state. Preservon-treated grafts have been shown to have strength similar to that of frozen grafts and greater than freeze-dried grafts.<sup>1</sup>
- **Safety:** Sterilized using patented and proprietary Allowash XG® technology, which provides a Sterility Assurance Level (SAL) of 10<sup>-6</sup> without compromising the graft's inherent osteoconductive properties.<sup>2</sup> No need for a second surgical site.
- **Osteoconductive:** Natural bone matrix facilitates cell attachment and proliferation.

### References

1. Independent sources include the Virginia Commonwealth University Medical Center and the American Association of Mechanical Engineers. Data on file at LifeNet Health, Virginia Beach, VA.

2. Eisenlohr LM. "Allograft Tissue Sterilization Using Allowash XG®". 2007 Bio-Implants Brief.

#### Additional References:

Khoury F. (2017) Augmentation of severe bony defects with intraoral bone grafts: biological approach and long-term results. <http://dx.doi.org/10.1016/j.jiom.2017.02.099>

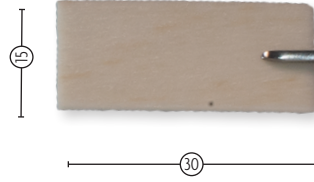
Khoury F. and Hanser T. (2015) Mandibular bone block harvesting from the retromolar region: a 10-year prospective clinical study. *Int J Oral Maxillofac Implants*. 2015 May-Jun;30(3):688-97. doi: 10.11607/jomi.4117

Peck MT (2015) Alveolar Ridge Augmentation Using the Allograft Bone Shell Technique *J Contemp Dent Pract* 2015; 16 (9): 768-773

Pendarvis WT, Sandifer JB. (2008) Localized ridge augmentation using a block allograft with subsequent implant placement: A case series. *Int J Periodontics Restorative Dent*. 2008 Oct;28(5):509-515.

Wallowy P, Dorow A. (2012) Lateral Augmentation of the Maxilla and Mandible Using Framework Technique With Allogenic Bone Grafts. *Journal of Oral Implantology*, Dec 2012, Vol 38 No. 2: 661-668





## Cortical Plate

Size	Order Code	Storage Temperature	Shelf Life
30 x 15 x 1	CP301501	10-37°C	5 years

68-60-197.00

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