OraGRAFT® MD 70/30

Clinical Overview

OraGraft MD 70/30 is a particulate bone graft combining 70% mineralized ground cortical with 30% demineralized ground cortical. The combination leverages the benefits of space maintenance with ground cortical with the osteoinductive potential of demineralized ground cortical. This combination has been shown in studies to provide a favorable environment for the regeneration of vital bone.[1-5]

Features & Benefits

- **Convenient:** 70/30 mix reduces time to blend grafts chair-side and minimizes the need to carry multiple graft types in inventory.
- **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.[6]
- **Packaging:** Double-barrier sterile packaged for aseptic delivery to the sterile field.
- **Osteoconductive:** Natural bone matrix facilitates cell attachment and proliferation as well as vascular in-growth.
- **Osteoinductive Potential:** Demineralized using proprietary PAD® technology that targets optimal residual calcium levels of 1-4% without compromising the graft's inherent osteoconductive properties or osteoinductive potential.[7-10]

LifeNet Health®
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OraGRAFT MD 70/30
250-1000 microns

Ambient Temperature Storage* (10°C - 37°C) / 3 Year Shelf Life

Size	Order Code
0.5 cc	MD050
1.0 cc	MD010
2.0 cc	MD020

*While ambient room temperature has not been defined by regulatory bodies, LifeNet Health would recommend storage at 2°C - 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**

References

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4. J Periodontol. 1997 Nov;68(11):1085-92. Effect(s) of the demineralization process on the osteoinductivity of demineralized bone matrix. Zhang M1, Powers RM Jr, Wolfinbarger L Jr. PMID: 9407401 Extract: " ...bone demineralized to levels of approximately 2% residual calcium provided for maximum osteoinductive potential in both assay systems."
5. J Periodontol. 2016 Sep;87(9):1022-9. doi: 10.1902/jop.2016.160139. Epub 2016 Apr 30. Effect of Healing Time on New Bone Formation After Tooth Extraction and Ridge Preservation With Demineralized Freeze-Dried Bone Allograft: A Randomized Controlled Clinical Trial. Whetman J1, Mealey BL1. PMID: 27133791 Conclusion: "This study indicates significantly greater new vital bone formation occurs after tooth extraction and ridge prese preservation with DFDBA when sites healed for 18 to 20 weeks compared with 8 to 10 weeks prior to dental implant placement"
6. Independent sources include the Virginia Commonwealth University Medical Center and the American Association of Mechanical Engineers. Data of file at LifeNet Health.
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9. Herold RW, Pashley DH, Cuening MF. (2002). Effects of varying degrees of allograft decalcification on the cultured porcine osteoclast cells. J Periodontol, 72(2), 213-219.
10. Mott DA, Mailhot J, Cuenin MF, Sharawy M, Borke J. (2002). Enhancement of osteoblast proliferation in vitro by selective enrichment of demineralized freeze-dried bone allograft with specific growth factors. J Oral Implantiol, 28(2), 57-66.

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