



Ti-oss[®] Granules

Ti-oss[®], made from 100% BSE-free approved Australian Bovine Origin, is a **biocompatible, highly porous, OCP-based inorganic mineral matrix** designed for dental regenerative applications. Ti-oss[®] xenograft product, with its exceptional quality has shown **10 years clinically stable** performances compare to merely 4-5 years stability in other type of bone material.

Ti-oss[®] Granule Vial



Ti-oss[®] granules includes both **cost effective brand (0210 series)** and **Premium brand (0512 & 1217 series)**. The premium range contains higher porosity (**starts from 0.5mm**) resulting more bone formation whereas, the cost- effective range particles contain less porous particles (**Starts from 0.2mm**). Both cost effective brand and Premium brand **shows the same rough surface and coating of the osteopromoting factor, OCP, on their surface.**

Ti-oss[®] Granule Syringe

Ti-oss[®] particles are loaded into the syringe for convenient application to the wound site. **Its distinctive pore structure facilitates the wetting of entire Ti-oss[®] particles within the syringe.** The perforated cap allows for easy hydration by sucking blood, saline and PRP (*This version will be available from March 2024*).



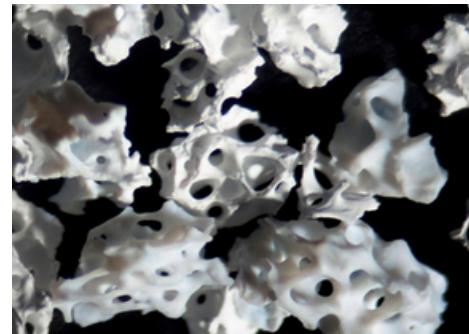
Ti-oss[®] Block

Ti-oss[®] Block is a whole cancellous block, not mixed with collagen and **shows absolute hydrophilicity fostering blood vessels and osteoblast ingrowth.** Stabilization is easily achieved through carving and adaptation, and options like horizontal matrix suture or PRP fixation are available.



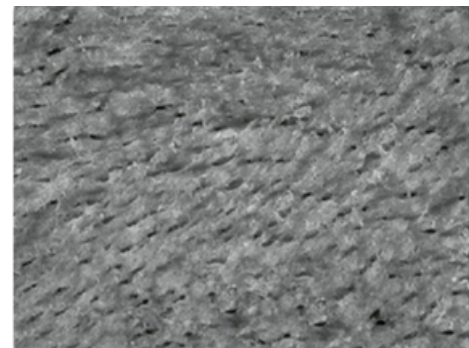


What makes Ti-oss Unique ?



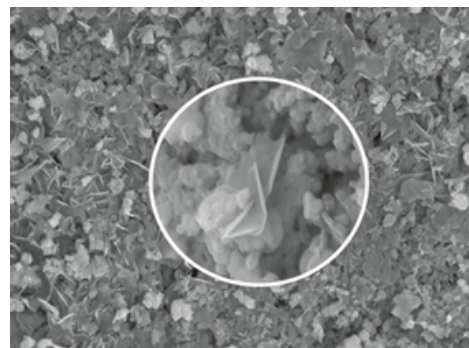
Genuine Multiporous structure:

Ti-oss® supports better permeability and vascularization, assisting improved integration with the host tissue and capillary ingrowth.



Rough Hydrophilic structure:

Ti-oss® demonstrates rough surface that closely mimics human bone, facilitating an optimal environment for blood-clot attachments ideal for bone-forming promotion.



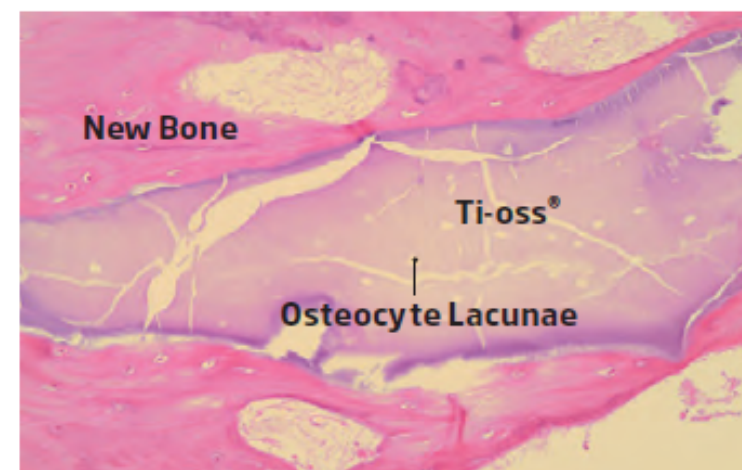
Osteo Promoting factor:

The osteopromoting factor (OCP) of the surface plays a crucial role in promoting and enhancing bone remodeling progress.

Human Biopsy Results



3-months Biopsy Findings



4-months Biopsy Findings

Ti-oss® Guide

Ti-oss® Guide consists of 99.83% high purity medical Type I Atelocollagen, crosslinked using 1-ethyl-3-(3-dimethylaminopropyl) carbodiimide (EDC) for the resistance to enzymatic degradation and provides a stable barrier for 3~6 months and optimized physical property.



Conclusion

Ti-oss® is positioned among top brand of its type in the global market in quality and performances. Ti-oss® with its exceptional osteoconductive surface nature, promotes highly reliable Graft Success and Early Bone Formation in various clinical cases and add to patient's comfort, efficient outcome and better quality of life.