



BONE & TISSUE REGENERATION

MATRIX

Graft

 MATRIXGRAFT

Matrix Graft®

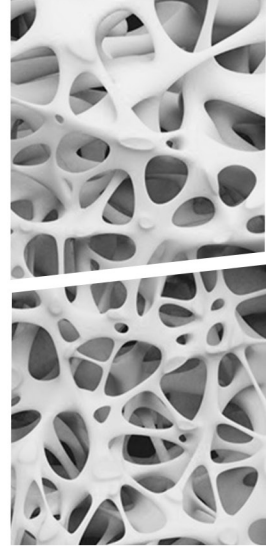


100% Natural bovine bone, biocompatible, highly purified, multi-porosity and has a large inner surface area.

Matrix Graft® provides an ideal environment for cell attachment.

1 PROPERTIES

Attribute	Description
Origin	Bovin Cortico_Cancellous bone particles.
Degradation	Appropriate degradation, with limited residues.
Healing-/ integration time	4-6 Months “Depending on defect”
Storage Temperature	15 - 25°C
Particle Size	150 - 800 µm



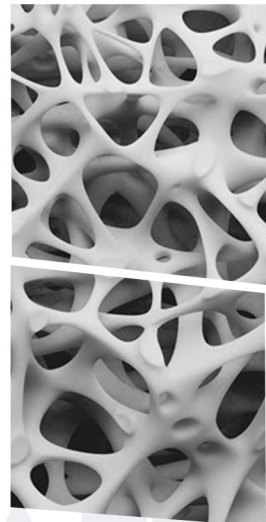
2 FEATURES

Osteoconductivity

Interconnected porous granules facilitates the adhesion & invasion of bone forming cells and results in complete integration of the implant due to the ingrowth of cells and blood vessels.

Safety

In order to assure maximum safety, organic components are completely removed by solvent and temperature treatment (>500°C) during the manufacturing process of Matrix® Xenograft. Favorable handling and performance are ensured due to the comparably low temperature treatment (non-sintered), which preserves the natural microstructure of natural bone. The final sterility of Matrix® XenoGraft is ensured by gamma irradiation.

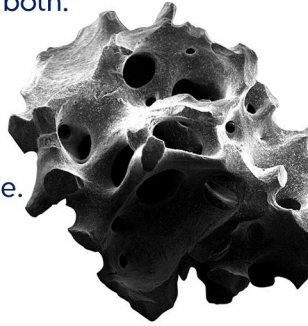


Matrix Graft®

Is xenograft designed to optimize graft stability. In process of preparation included mineralized Bone matrix (MBM) and demineralized Bone matrix (DBM) to get benefits from both.

Matrix Graft®

Lead to effective and predictable bone regeneration. It is gradually resorbed and provides support for new bone formation preserving the graft shape and volume.



3 Application & Handling

Rehydration

Rehydration in blood or saline solution is recommended and facilitates handling and application.

Application

Matrix®Xenograft can be delivered to the surgical site with Surgical curette or periosteal elevator after wetting with blood or saline solution.

Ensure maximum contact between the graft material & well vascularized, bleeding bone surface to facilitate ingrowth of new blood vessels and bone forming cells.

A bioabsorbable membrane should be placed over the graft.

Wound Closure

Ensure that soft tissue coverage of the grafted site is complete and free of tension.

Healing time & Re-entry

The appropriate healing time is patient- and site-dependent and has to be decided by the clinician based on his diagnosis of the patient's individual situation. A minimum healing period of five months is recommended for re-entry to ensure stable integration of particles.

3 Application & Handling

Combining with Allograft

Combining of Matrix Xenograft with allogeneic bone combines the advantages of both materials; the biological potential of allograft and the long-term stability of Matrix Xenograft lead to fast regeneration of vital, strong bone.

Combining with Autologous bone

Combined use of Matrix Xenograft with autologous bone bring about a biological activity (osteo-inductive and osteo-genetic properties of autologous bone) and may support faster regeneration and improved formation of new bone.



