All-Natural Mineral-Collagen Bone Grafting Matrix

- Anorganic bone mineral and type I collagen
- Highly purified, biocompatible matrix
- Osteoconductive
- Osteoinductive and Osteogenic in conjunction with autogenous bone marrow
- Resorbable
- Excellent handling

OssiMend® Bone Graft Matrix is a mineral-collagen composite matrix processed into strips and pads for surgical implantation. The principal components of OssiMend® are anorganic bone mineral and type I collagen derived from bovine. The mineral particles are dispersed within collagen fibers forming a three dimensional open porous matrix consisting of about 55% bone mineral and 45% collagen. OssiMend® is provided as a sterile, dry material that is hydrated with autogenous bone marrow at the point of use. OssiMend® strips and pads can be cut into shapes and are designed to retain their shape and physical integrity following implantation into a bony site. OssiMend® is fully resorbed during the natural process of bone formation and remodeling.

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In Vivo Study in a Rabbit Radius Defect Model¹

- OssiMend® soaked with bone marrow
- Critical size defect in the radius bone
- Unfilled defects as control
- Endpoints were histology and radiography
- New bone formation at 6 & 12 weeks

![Histology of OssiMend® (6 & 12 weeks)]

A. Intact radius, no defect
B. Showing OssiMend® in place at day zero
C. OssiMend® / new bone at 6 weeks
D. OssiMend® / new bone at 12 weeks

![Radiographs of OssiMend® (6 & 12 weeks)]


OssiMend® is a registered trademark of Collagen Matrix, Inc.