Demineralized Bone Matrix: Sponge Cubes

ADDRESS:
Pinnacle Transplant Technologies
1125 W. Pinnacle Peak Rd.
Phoenix, AZ 85027

CONTACT DETAILS:
P: 623-277-5400
F: 623-277-5401
E: info@pinnacletransplant.com
www.pinnacletransplant.com
Pinnacle Transplant Technologies’ DBM Sponge Cube is a unique graft material derived from trabecular bone that has compressible and elastic sponge-like properties. Our demineralization process revolutionizes the handling properties of bone while maintaining natural growth factors.

Demineralized allograft bone with osteoinductive activity
Demineralized bone matrices are prepared by acid extraction of allograft bone, resulting in a loss of the majority of the mineralized components with retention of collagen and the noncollagenous proteins, including growth factors. The efficacy of a demineralized bone matrix (DBM) as a bone-graft substitute or extender may be related to the total amount of bone morphogenetic protein (BMP) present, and the ratios of the different BMPs present. BMPs belong to the transforming growth factor (TGF) superfamily of proteins.

Pinnacle Transplant Technologies’ DBM Sponge Cube has the open, porous structure of cancellous bone while also being compressible and elastic, with the properties of a sponge. It can be compressed to 1/3 of its original size in order to fill a space. It then springs back to fill the void without losing its original strength or shape. It is a perfect solution for filling a variety of bone voids.

Pinnacle Transplant Technologies’ DBM Sponge Cube, when implanted, may induce at the locus of the implant the full developmental cascade of endochondral bone formation including vascularization, mineralization, and bone marrow differentiation. Strips, Cubes and Filler are available in several sizes and may be used with osteogenic promoters such as bone marrow or platelet rich plasma.

INDICATIONS & USAGE:
• Intended for use in one patient, on a single occasion only
• Only qualified health care professionals (e.g. physicians, dentists, podiatrists, etc.) should transplant donated human tissue
• Tissue may not be re-sterilized
• PTT assumes no responsibility for the clinical use of this allograft tissue