

Hero[®]

Allograft

Made From the Most Precious Resource On Earth



Honoring the Gift.
Paying it Forward.



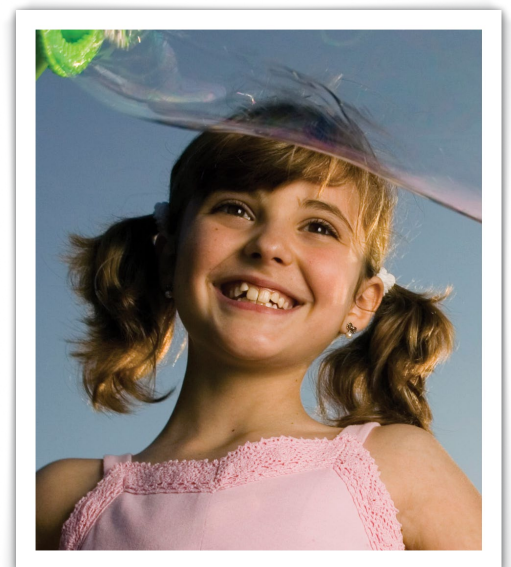
Honoring the Gift



All allograft tissue distributed in the U.S. originates from a selfless act of generosity by donors and their families.

We are proud to honor the gift of tissue donation by donating net proceeds from the sale of Hero Allograft to charities that benefit children with life-threatening medical conditions. Net proceeds are defined as revenue minus direct costs.

The donations are divided evenly between two accredited nationally recognized charities that benefit children with life-threatening medical conditions.



Paying it Forward

Hero DBM Putty, Hero DBM+ Putty, Hero DBM+ Paste, and Hero DBM Gel

Hero DBM formulations are designed to stimulate the natural bone formation processes in which mesenchymal stem cells differentiate into bone forming osteoblast cells. Hero DBM Putty, Pastes, and Gels are composed of demineralized bone matrix in a reverse phase medium copolymer that becomes malleable at cooler operating room temperatures and more firm when placed in the warmer operative site. These exceptional handling characteristics make the graft moldable to any shape, easily packed into defects, and resistant to irrigation.

Hero DBM+ formulations contain cancellous chips for additional graft scaffolding and structural properties to help facilitate bone growth.



Hero Compressible Cancellous Matrix

Hero Compressible Cancellous cubes and strips are demineralized to preserve endogenous growth factors (including BMP 2, 4, and 7) and to provide a natural combination of osteoconductive and osteoinductive properties in support of new bone formation.¹ Offered in a variety of configurations, Hero Compressible Cancellous Matrix does not require shaping and packs easily into the surgical site.



Hero Structural Cervical Allograft

Anatomically shaped and precision machined with ridges for migration resistance, Hero Structural Cervical grafts offer a natural alternative to PEEK interbody devices. These grafts are composed of a cortical ring with a cancellous core and are available in parallel or lordotic angulation options.



Hero DBM Powder

Lot tested for osteoinductivity, Hero DBM Powder is a bone void and defect filler processed from demineralized cortical bone to help stimulate natural bone formation.



Hero Allograft Chips

Hero Allograft Chips are traditional trabecular cancellous as well as cortical/cancellous mix offerings available in common volume and particle sizes.

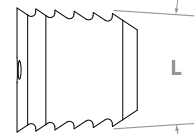
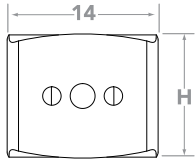
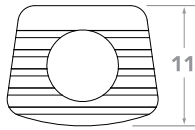


Safety and Reliability

Hero DBM formulations are lot tested in vivo in animals to confirm osteoinductive potential. Hero DBM powders are lot tested with in vitro bioassays to confirm osteoinductive potential. All Hero products are processed to achieve a Sterility Assurance Level (SAL) of 10^{-6} with the exception of Hero DBM powder, which is aseptically processed.

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Hero Structural Cervical

Width	Depth	Height	Lordosis
14	11	5-10*	0° & 7°

Dimensions expressed in millimeters. *1mm increments.

Hero DBM

Hero DBM Putty	1cc 2.5cc 5cc 10cc
Hero DBM ⁺ Putty	5cc 10cc
Hero DBM ⁺ Paste	1cc 3cc 8cc
Hero DBM Gel	1cc 5cc 10cc
Hero DBM Powder	3cc 5cc 7cc 10cc

Hero Compressible Cancellous Matrix

Block	8mm ³ 10mm ³ 12mm ³ 14mm ³
Strip	10x20mm 15x40mm 20x50mm

Hero Chips

Hero Crushed Cancellous	5cc 15cc 30cc 60cc
Hero Cancellous	5cc 15cc 30cc 60cc
Hero Cortical/Cancellous	15cc 30cc

Hero DBM+ formulations contain added ground cancellous bone to provide additional structural properties for bone growth.

References

- Shi Y, Dittman B, Atkinson B. (2011) Ph.D, S., Dittman, & Ph.D, A. (2011). Bone Morphogenetic Protein (BMP) Content In Cancellous Bone: A Suitable Substrate For Allograft Stem Cells. Scientific Data Series, 4, 3.

