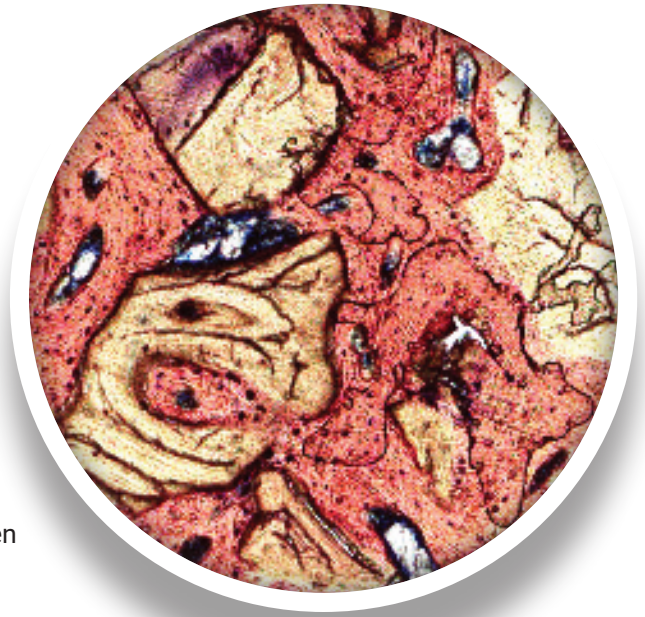


Osteostimulation

NovaBone Granules are osteostimulatory! The granules not only act as an osteoconductive scaffold but also facilitate release of ions that signal and recruit bone precursor cells to the defect site and stimulate osteoblast differentiation and proliferation. This phenomenon is unique to NovaBone technology and has been demonstrated in over 25-30 clinical publications.

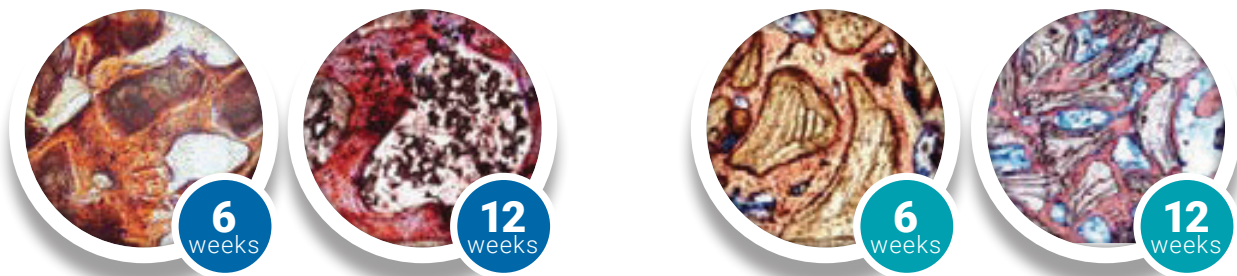


Histomorphometric Evaluation

Comparative study evaluating NovaBone Granules with Anorganic Bovine Bone was done in a Sheep Spine model to evaluate % residual graft and % new bone. Histology & Histomorphometric data (below) suggest that at both time periods NovaBone showed significantly greater % of new bone and subsequently lesser volume of residual graft material as compared to the xenograft. Histology sections at both 6 and 12 weeks show active osteoblast/osteoclast activity around NovaBone particles.

NovaBone Granules

Bio-Oss



	NovaBone Granules		Bio-Oss	
	6 weeks	12 weeks	6 weeks	12 weeks
% New Bone	29-50	54.90	18.06	23.01
% Residual Graft	37.50	23.30	66.72	57.98

Comparison of Granules to BioOss in sheep lumbar spine; data on file.

