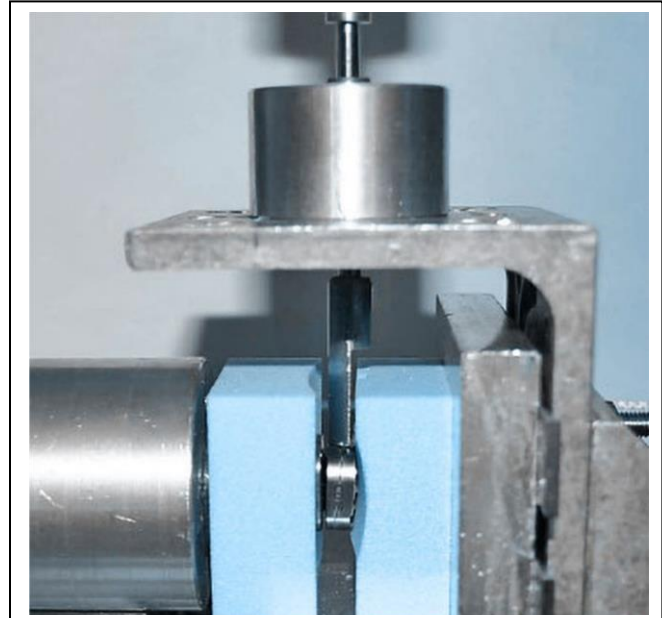


IntimateBond™ Osteoblast Expulsion Force

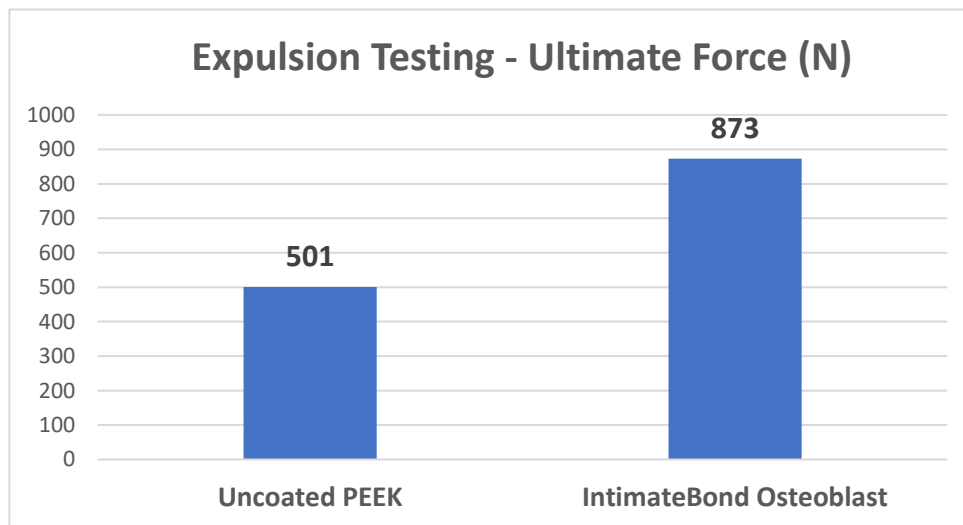
In an Expulsion Test of IntimateBond™ coated and uncoated PEEK implants, the coated implants required 74% more force for expulsion. The IntimateBond™ coating provided superior initial expulsion resistance due to added surface friction, without any further assumptions for future rapid osteoblast on-growth to the device in vivo.

Expulsion testing - The purpose of this test is to determine the mechanical resistance of spinal implants against expulsion loads. Tests were conducted using IntimateBond™ coated PEEK implants and uncoated PEEK control implants per report *Accutec K11025128-3 Expulsion Testing Per Accutec Protocol VBR-EXPUL-1000*.

Implants coated with IntimateBond™ showed higher expulsion values (873 N ±42) versus uncoated PEEK (501 N ± 15), representing a 74% increase in Ultimate Force (N) required for implant initial expulsion. 510(k) K102026



Coated Expulsion Force Measurement. Photo: Endolabs.



+74% More Force Required