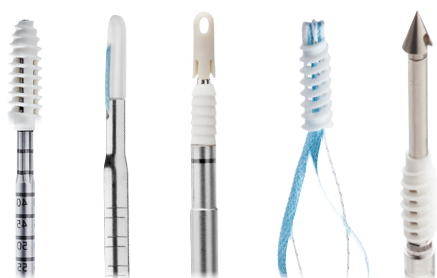


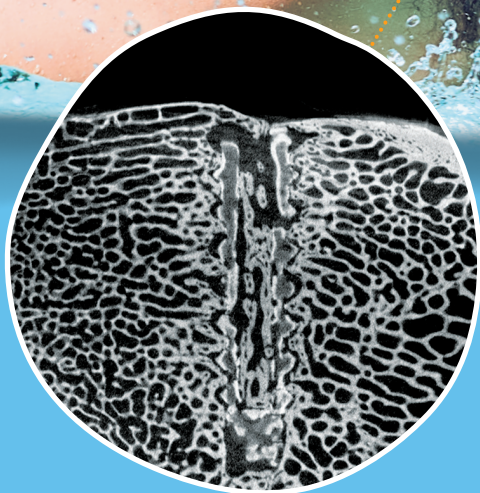
+ Redefining biological healing

Replaced and absorbed within 24 months.¹⁻⁴
An integral part of Advanced Healing Solutions.

Smith+Nephew



REGENESORB[◇]
Material



+ Read what the experts are saying...



“

The **REGENESORB**° material has three different components. In the ultrasound study that we did, you can actually see the bone growing across the coils of that vented anchor.

Felix H. "Buddy" Savoie III, MD
Chairman of Orthopaedic Surgery;
Chief of Sports Medicine
Tulane University School of Medicine

”

“

The real advantage of the [**HEALICOIL**°] open architecture is that the stem cells from the bone marrow can reach the bone-tendon interface to promote healing where it is most needed.

Jan Vonhoegen, MD
Specialist for Orthopaedics and Trauma Surgery

”



“

The difference for me with **REGENESORB** material is, first of all, its base is PLGA, which has different resorption characteristics and tends to resorb. Second, we also know the additives of TCP and calcium sulfate allow for induction of bone. When we have done MRI follow-ups of patients, we notice that the material actually is changing to bone, and it changes to bone much earlier*, as well — and we believe that to be a **major advantage**.

Ian Lo, MD FRCS(C) Assistant Professor
University of Calgary

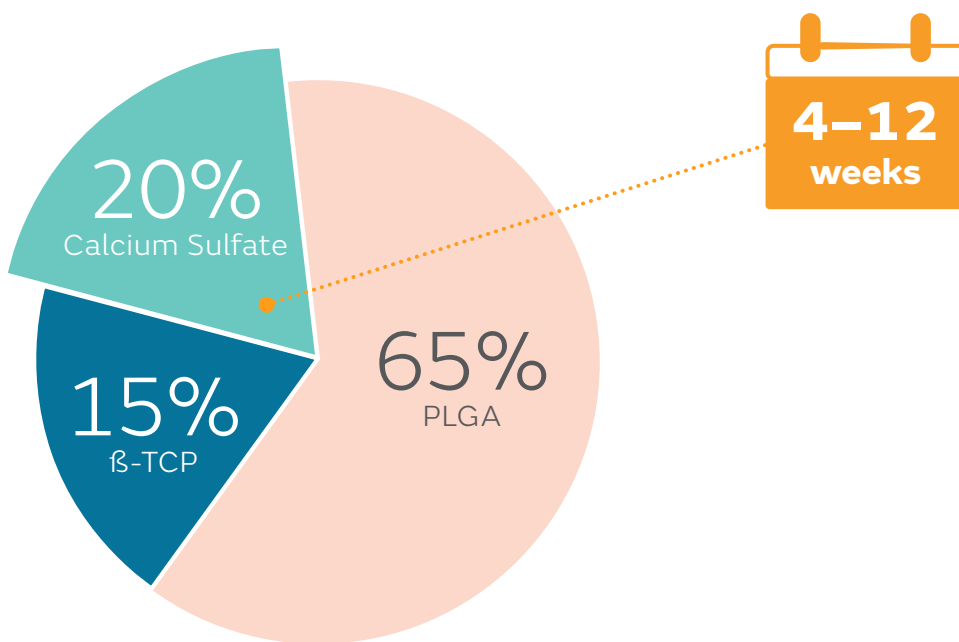
”





* Compared to competitive biocomposite materials,
based on unpublished data.

Designed to provide a jump start in bone healing + formation

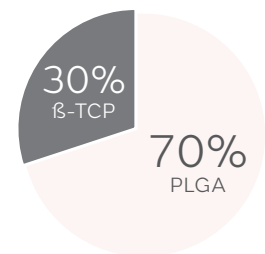


Calcium Sulfate: Works in early healing stages at 4-12 weeks⁵⁻⁷

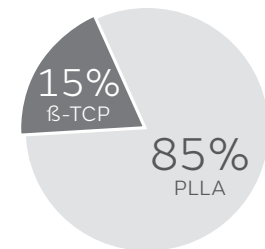
β -TCP: Sustained bone formation for up to 2 years^{8,9}

PLGA: Comprised of natural products — lactic acid and glycolic acid^{10,11}

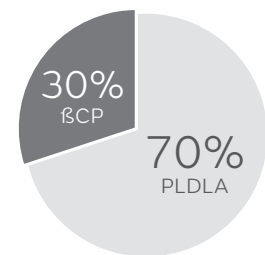
Most biocomposite materials rely solely on the osteoconductive properties of β -TCP, REGENESORB[®] material contains two osteoconductive components — β -TCP and calcium sulfate — which act during different stages in the bone healing process and through different mechanisms of action, physical and biochemical. REGENESORB Material is unique in this regard. No other biocomposite material can claim this.¹²⁻¹⁴



Mitek Biocryl^{™15}



Arthrex[®] BioComposite[™] Anchor¹⁶



Arthrex[®] BioComposite[™] Screw¹⁶

Replaced by bone^{1,2}

Smith+Nephew REGENESORB material is designed to remain mechanically stable for a minimum of six months* before being absorbed and replaced by bone within 24 months.**¹⁻⁴

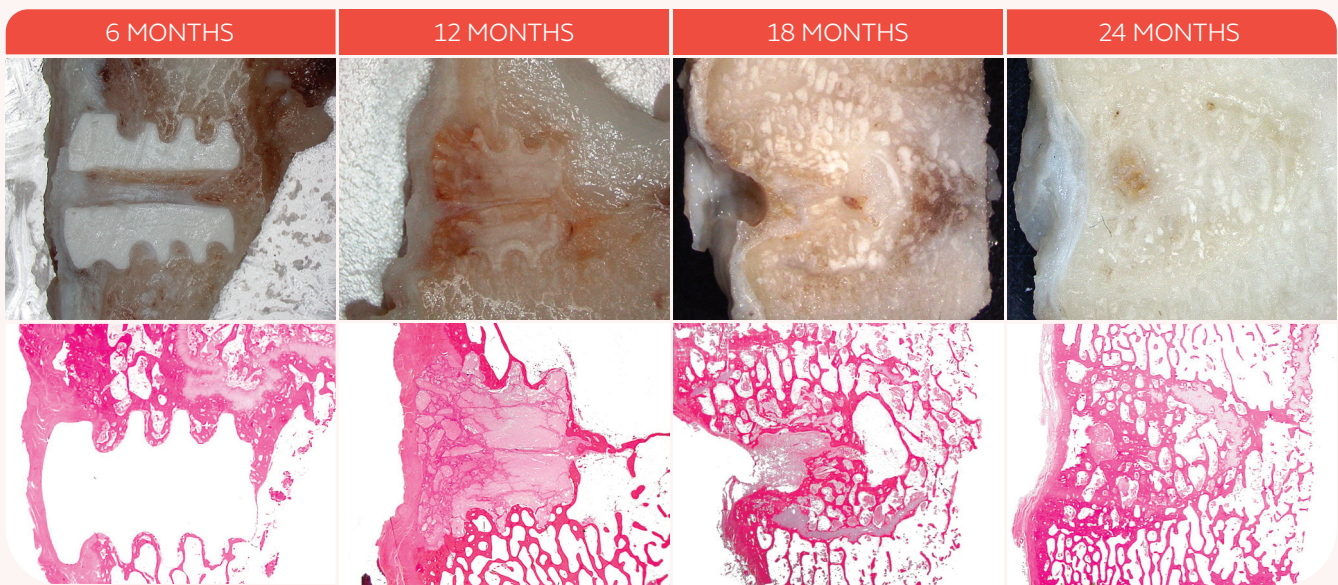


**In vivo* animal testing has demonstrated that the composite material is bioabsorbable and is replaced by bone. Results of *in vivo* simulation have not been shown to quantitatively predict clinical performance. Data based on micro CT. As demonstrated *in vitro*.

**Compared to competitive biocomposite materials, based on unpublished data. Demonstrated clinically and *in vitro*.

Replaced by bone*

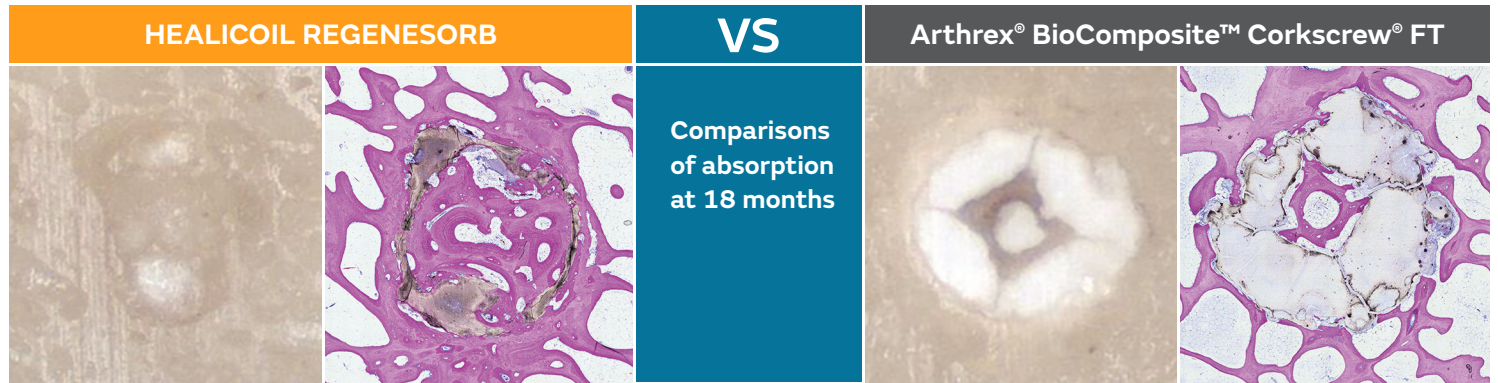
Absorption profile of solid REGENESORB implant in a preclinical model^{1,2}



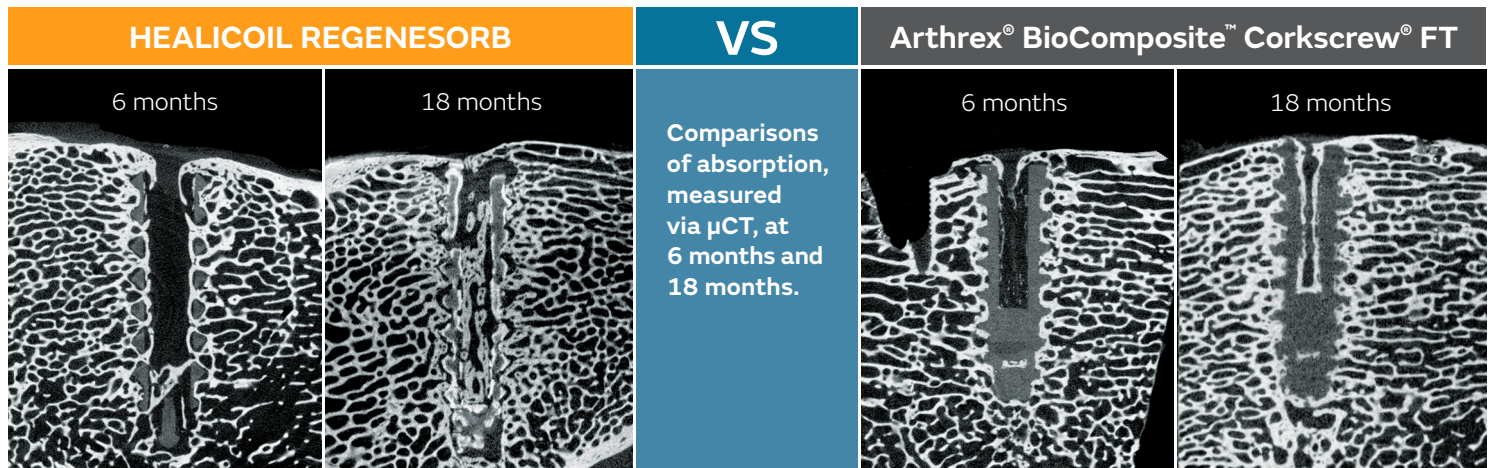
Gross anatomy and histology images of a 9x10mm implant of REGENESORB material evaluated in a direct-in-bone sheep model. Images clearly demonstrate absorption and complete replacement by bone in 24 months. Please note this implant was designed for this preclinical study.

Faster, more complete absorption than Arthrex's biocomposite material¹⁷

Histology and histomorphometry also demonstrated faster material absorption of the HEALICOIL[®] REGENESORB anchor compared with the Arthrex PLLA/ β -TCP-based solid body anchor implant, with **70% absorption at 18 months** compared with 57% for the PLLA/ β -TCP-based Arthrex BioComposite Corkscrew FT ($p < 0.001$).¹⁷



REGENESORB[®] material vs. PLLA/ β -TCP at 18 months¹⁷



Ordering information

BIOSURE® REGENESORB® Interference Screw	
Reference #	Description
72204389	BIOSURE REGENESORB Interference Screw 5mmx20mm*
72204390	BIOSURE REGENESORB Interference Screw 5mmx25mm*
72204391	BIOSURE REGENESORB Interference Screw 6mmx20mm
72204392	BIOSURE REGENESORB Interference Screw 6mmx25mm
72204393	BIOSURE REGENESORB Interference Screw 6mmx25mm Reverse Thread
72204394	BIOSURE REGENESORB Interference Screw 7mmx20mm
72204395	BIOSURE REGENESORB Interference Screw 7mmx25mm
72204396	BIOSURE REGENESORB Interference Screw 7mmx25mm Reverse Thread
72204397	BIOSURE REGENESORB Interference Screw 7mmx30mm
72204398	BIOSURE REGENESORB Interference Screw 8mmx20mm
72204399	BIOSURE REGENESORB Interference Screw 8mmx25mm
72204400	BIOSURE REGENESORB Interference Screw 8mmx25mm Reverse Thread
72204401	BIOSURE REGENESORB Interference Screw 8mmx30mm
72204402	BIOSURE REGENESORB Interference Screw 8mmx35mm
72204403	BIOSURE REGENESORB Interference Screw 9mmx20mm
72204404	BIOSURE REGENESORB Interference Screw 9mmx25mm
72204405	BIOSURE REGENESORB Interference Screw 9mmx30mm
72204406	BIOSURE REGENESORB Interference Screw 9mmx35mm
72204407	BIOSURE REGENESORB Interference Screw 10mmx20mm
72204408	BIOSURE REGENESORB Interference Screw 10mmx25mm
72204409	BIOSURE REGENESORB Interference Screw 10mmx30mm
72204410	BIOSURE REGENESORB Interference Screw 10mmx35mm
72204411	BIOSURE REGENESORB Interference Screw 11mmx25mm
72204412	BIOSURE REGENESORB Interference Screw 11mmx30mm
72204413	BIOSURE REGENESORB Interference Screw 11mmx35mm
72204414	BIOSURE REGENESORB Interference Screw 12mmx35mm

HEALICOIL® REGENESORB Suture Anchor Pre-loaded with ULTRATAPE	
Reference #	Description
72203705	HEALICOIL REGENESORB 4.75mm Suture Anchor with one ULTRATAPE Suture (Blue) and one #2 ULTRABRAID® Suture
72203697	HEALICOIL REGENESORB 4.75mm Suture Anchor with one ULTRATAPE Suture (Cobraid Blue) and one #2 ULTRABRAID Suture
72203708	HEALICOIL REGENESORB 5.5mm Suture Anchor with one ULTRATAPE Suture (Blue) and one #2 ULTRABRAID Suture
72203801	HEALICOIL REGENESORB 5.5mm Suture Anchor with one ULTRATAPE Suture (Cobraid Blue) and one #2 ULTRABRAID Suture

HEALICOIL REGENESORB Suture Anchor Pre-loaded with ULTRABRAID Suture	
Reference #	Description
72203704	HEALICOIL REGENESORB 4.75mm Suture Anchor with two #2 ULTRABRAID suture (Blue, Cobraid Blue)
72203706	HEALICOIL REGENESORB 5.5mm Suture Anchor with two #2 ULTRABRAID Suture (Blue, Cobraid Blue)
72203707	HEALICOIL REGENESORB 4.75mm Suture Anchor with three #2 ULTRABRAID Suture (Blue, Cobraid Blue)

HEALICOIL REGENESORB Accessory Devices	
Reference #	Description
72203709	HEALICOIL REGENESORB 4.75mm Threaded Dilator, reusable
72203710	HEALICOIL REGENESORB 5.5mm Threaded Dilator, reusable
72203951	HEALICOIL REGENESORB 4.75mm Threaded Dilator, disposable
72203952	HEALICOIL REGENESORB 5.5mm Threaded Dilator, disposable

MICRORAPTOR® REGENESORB Suture Anchor	
Reference #	Description
72204983	MICRORAPTOR REGENESORB Suture Anchor with one ULTRABRAID (#1) Suture (blue)
72204984	MICRORAPTOR REGENESORB Suture Anchor with one ULTRABRAID (#1) Suture (blue cobraid)

* BIOSURE REGENESORB Interference Screws with 5mm diameter require use with 5mm BIOSURE Driver.

Ordering information (cont.)

MICRORAPTOR Knotless Suture Anchor

Reference #	Description
72205020	MICRORAPTOR Knotless REGENESORB Suture Anchor

HEALICOIL[®] Knotless Suture Anchors

Reference #	Description
72205135	HEALICOIL Knotless REGENESORB Suture Anchor, 5.5mm
72205136	HEALICOIL Knotless REGENESORB Suture Anchor, 5.5mm, Self-Tapping
72205137	HEALICOIL Knotless PK Suture Anchor, 5.0mm
72205138	HEALICOIL Knotless PK Suture Anchor, 5.0 mm, Self-Tapping

HEALICOIL Knotless Suture Anchor Hole Prep

Reference #	Description
72201915	Tapered Awl, 3.8mm, reusable
72202621	Tapered Awl, 3.8mm, disposable
72205308	HEALICOIL Knotless Spade Drill, 4.75mm, reusable
72205135	5.5mm Reusable Threaded Dilator
72203710	5.5mm Disposable Threaded Dilator

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