



**Healthcare
Professionals**



Biomet® SpinalPak®
Non-invasive Spine Fusion
Stimulator System



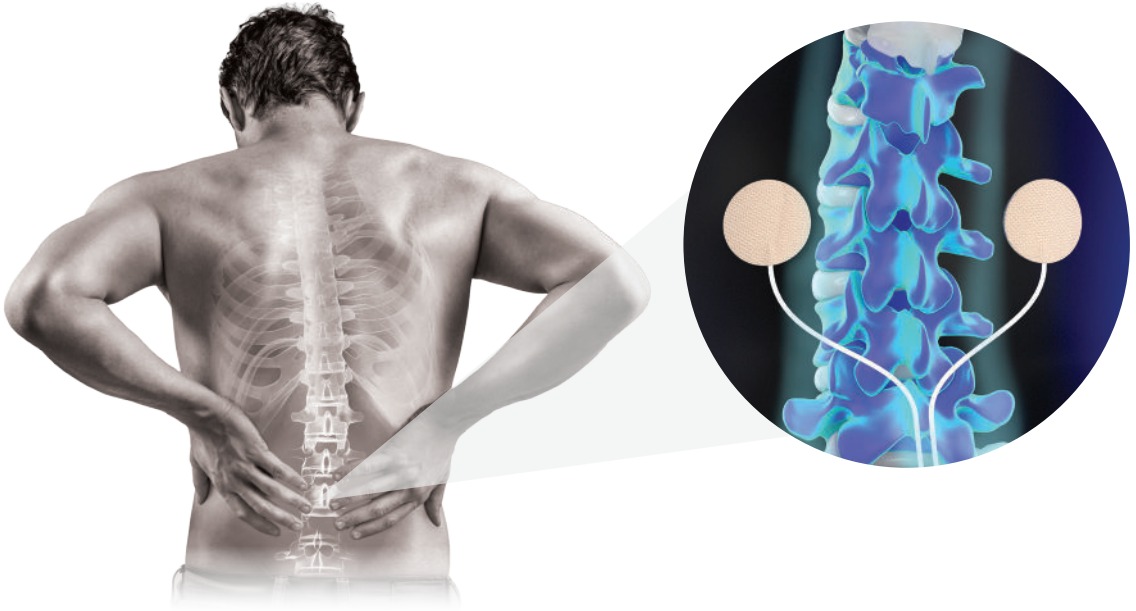
*Powered by Capacitive
Coupling Technology*



How does the SpinalPak® stimulator work?

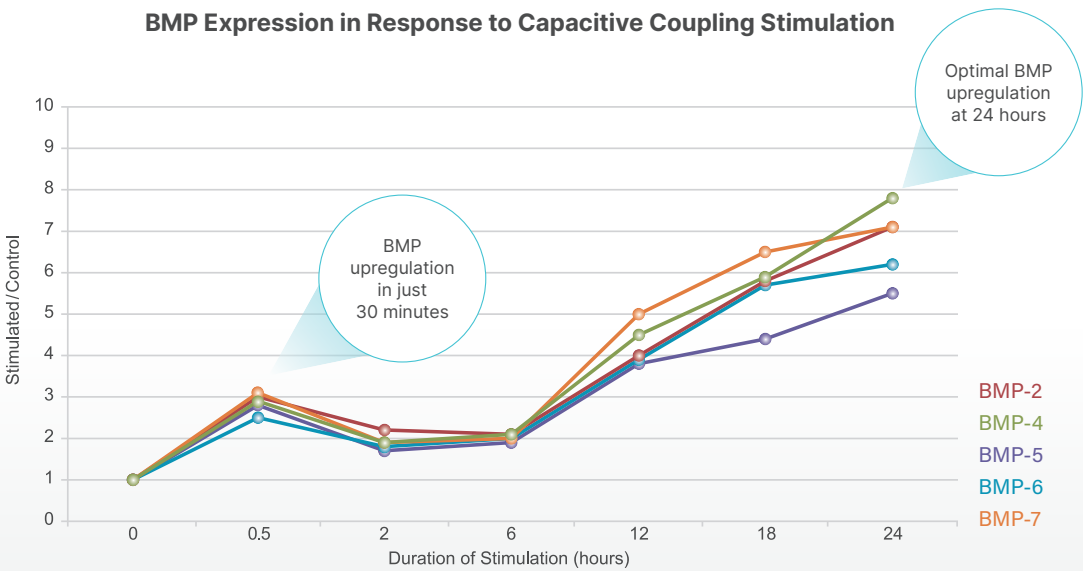
The SpinalPak® stimulator is the original, first-in-class, spinal fusion stimulation device to utilize Capacitive Coupled (CC) electrical stimulation technology to improve spinal fusion outcomes.

The Soft-Touch® hydrogel electrodes are placed 4 to 6 inches apart adjacent to the fusion site. The SpinalPak® device sends low-level electrical impulses to the site through a pair of electrodes creating a favorable environment for bone regeneration.



What type of pre-clinical data has been published on the Capacitive Coupling technology?

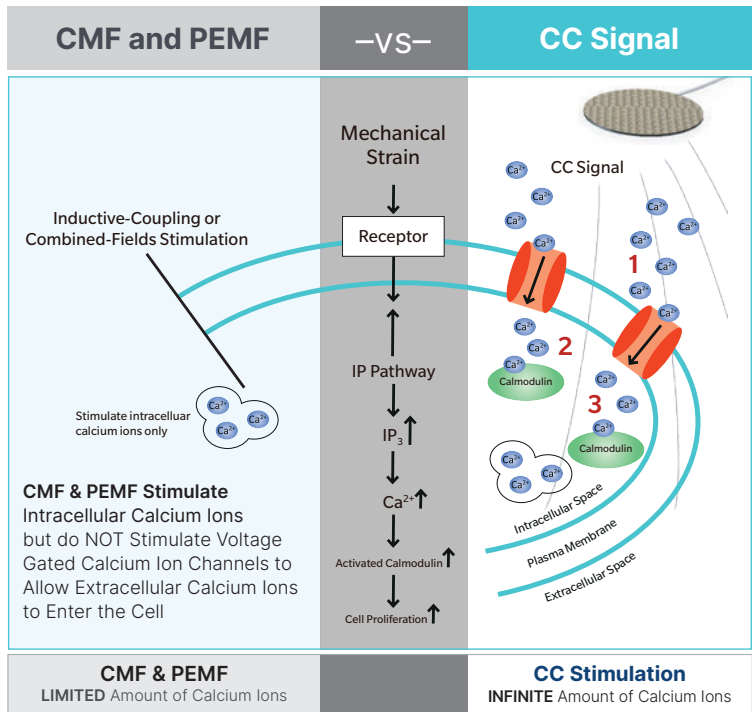
In an *in vitro* study, the upregulation of multiple Bone Morphogenetic Proteins (BMPs) occurred in as little as 30 minutes of exposure with optimal upregulation at 24 hours of exposure.^{1*}



While the greatest expression of osteogenic BMPs was observed after 24 hours of CC stimulation, **two to three times more upregulation was observed after just 30 minutes of CC stimulation** and continued to increase in a dose dependent manner.^{1*}

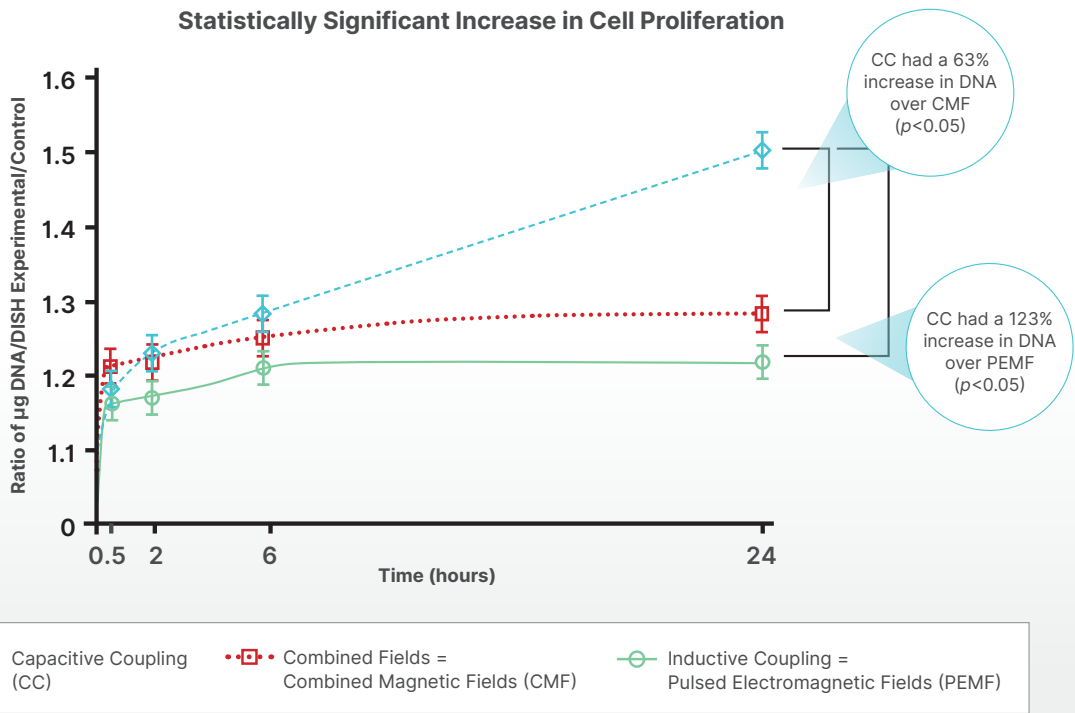
How is Capacitive Coupling (CC) different than other electrical stimulation technologies?

Another pre-clinical study demonstrated the difference between electrical stimulation technologies and how they work at a molecular level.



Capacitive Coupling technology stimulates an **infinite amount of calcium ions** by stimulating both intracellular and extracellular stores of calcium which leads to **increased cell proliferation and ultimately more bone growth**.^{2*}

Statistically Significant Increase in Cell Proliferation



What human clinical outcomes are there to support the use of the SpinalPak® stimulator?

The SpinalPak® stimulator is supported by statistically significant level 1 clinical results.

Overall Success Rate
(clinical and radiographic) in all lumbar fusions

85% vs 65%

84.7% in the SpinalPak® Group vs 64.9% in the Placebo Group ($p=0.0043$)³

Fusion Success Rate

89% vs 65%

89.1% in the SpinalPak® Group vs 64.9% in the Placebo Group ($p=0.006$)³

Two-Level Fusion + Internal Fixation Success Rate

84% vs 58%

84% in the SpinalPak® Group vs 58% in the Placebo Group ($p=0.04$)³

Diagnosed with Degenerative Disc Disease Success Rate

87% vs 57%

86.5% in the SpinalPak® Group vs 57.4% in the Placebo Group ($p=0.002$)³

Proven Success Rates as high as

93%

In a clinical study for posterolateral fusions, the SpinalPak® stimulator demonstrated clinical or radiological healing outcomes as high as 92.7%³



What is the SpinalPak® stimulator?

The Biomet® SpinalPak® Non-invasive Spine Fusion Stimulator is an FDA-cleared, non-invasive bone growth stimulation device designed as an adjunctive therapy to aid in the healing of spinal fusions.

Features and Benefits

- The small, non-invasive, intuitive device encourages patients to treat compliantly on the go while improving their fusion outcomes.
- The lightweight, flexible, Soft-Touch® electrodes weigh less than an ounce, minimizing unwanted weight around the treatment site.
- The flexible placement of the Soft-Touch® electrodes optimizes precise stimulation, penetrating evenly across the targeted treatment area.
- The Soft-Touch® electrodes may be comfortably and discreetly worn under a brace.
- The SpinalPak® stimulator is backed by statistically significant pre-clinical, scientific research and clinical evidence which demonstrated improved clinical outcomes.

Specifications

- Technology: Capacitive Coupling (CC)
- Signal: 60kHz sinusoidal wave
- Delivery Method: Soft-Touch® electrodes
- Device Weight: 3.15 oz.
- Original FDA PMA Approval: 1999



The largest portfolio of clinically proven bone growth stimulation solutions.

EBI, LLC

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Legal Manufacturer

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References

1. Wang Z, Clark CC, Brighton CT. Up-regulation of bone morphogenetic proteins in cultured murine bone cells with use of specific electric fields. J Bone Joint Surg Am. 2006;88(5):1053-1065.
2. Brighton CT, Wang W, Seldes R, Zhang G, Pollack SR. Signal transduction in electrically stimulated bone cells. J Bone Joint Surg Am. 2001;83-A(10):1514-1523.
3. Goodwin CB, Brighton CT, Guyer RD, Johnson JR, Light KI, Yuan HA. A double-blind study of capacitively coupled electrical stimulation as an adjunct to lumbar spinal fusions. Spine. 1999;24(13):1349-1356.

* Although not indicative of human clinical results, outcomes from pre-clinical research have been implicated in various models of bone repair.

Complete prescribing information including full indications, contraindications, warnings and precautions associated with the use of these devices may be found online at ebibonestimulador.com or by calling 800-526-2579. The SpinalPak® is a non-invasive spine fusion stimulator indicated as an adjunct electrical treatment to primary lumbar spinal fusion surgery for one or two levels. No known contraindications. Rx Only. Single Patient Use Only. Do Not Reuse. This material is intended for health care professionals. Distribution to any other recipient is prohibited. All content herein is protected by copyright, trademarks and other intellectual property rights, as applicable, owned by or licensed to EBI or its affiliates unless otherwise indicated, and must not be redistributed, duplicated or disclosed, in whole or in part, without the express written consent of EBI. EB00091 REV B 06/26. ©2026 EBI, LLC. All rights reserved.



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