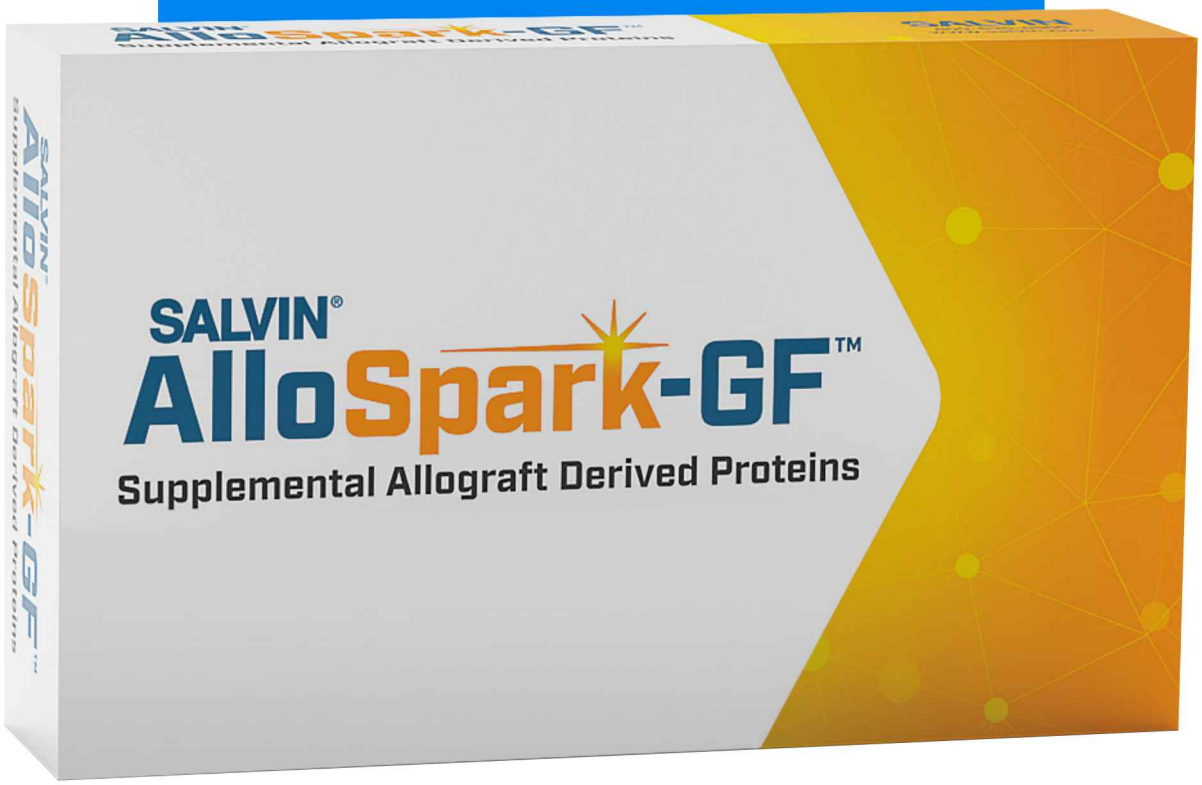
AlloSpark-GF™

Unlock your graft's potential

Nearly 1,000 unique proteins, growth factors, and peptides



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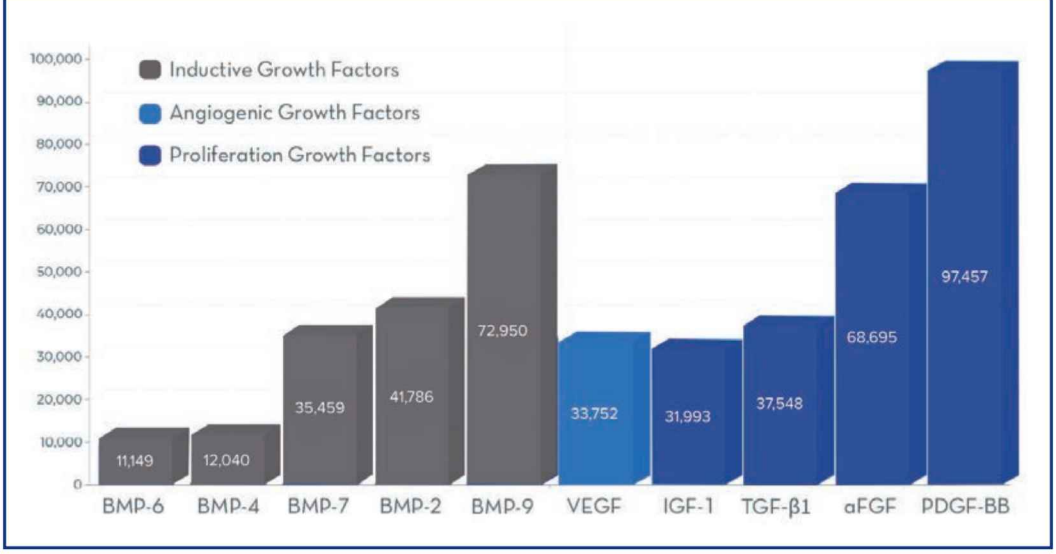
A Cascade of Growth Factors

Comprised of nearly 1,000 unique and naturally derived proteins, growth factors and peptides harnessed through proprietary processing methods, AlloSpark-GF provides a powerhouse of osteoinductive, angiogenic, proliferative and chemotactic agents.[1]

- Contains the highest level of naturally derived proteins.
- High concentrations of GF include, but are not limited to, BMP-2, PDGF, TGF-1 and VEGF.[1]
- Every lot is tested for protein content to provide quantified levels of bone healing agents.
- Provides ultimate flexibility for desired growth factor concentration levels.

Concentration Amount of Various Growth Factors (ng/g)



A New Era in Tailored Patient Care

AlloSpark-GF is offered in a lyophilized powder form, which upon hydration with saline or water, provides ultimate flexibility for desired growth factor concentration levels.

Designed to be used in conjunction with virtually any commercially available scaffold, AlloSpark-GF can be used with your graft of choice and adapted to suit each patient's needs.

- Unlock new levels of potential within your preferred graft.
- Customize the amount added to match your specific needs.

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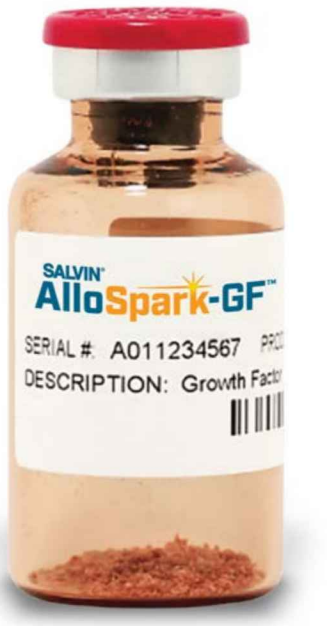
Confidence and Trust in Every Application

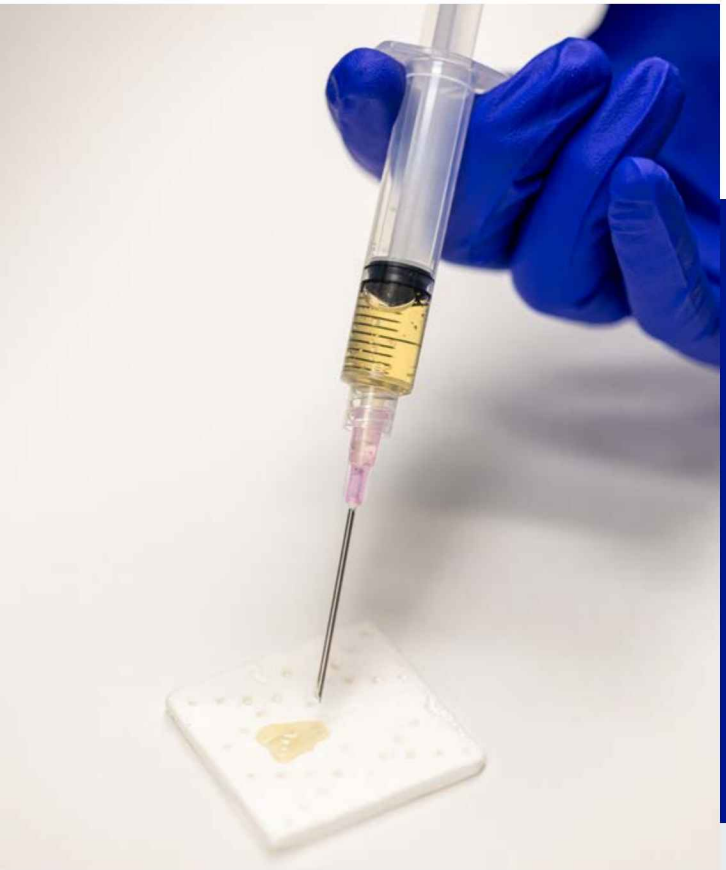
Choose AlloSpark-GF for enhanced flexibility, reliable outcomes, and a transformative approach to patient care. Clinically proven, AlloSpark-GF can be used for a variety of dental surgery procedures including sinus lifts, ridge augmentations, connective tissue and socket preservation.

Why You'll Love It:

- Contains growth factors and proteins shown in literature to assist with tissue healing and to support revascularization.[3,4,5]
- Contains growth factors and proteins shown in literature to result in faster bone turnover.
- When added to existing graft material, these growth factors have been shown to accelerate osseointegration and healing.[6,7,8]
- No cellular or self-identifying antigens to illicit an immune response.
- 5 years shelf life when stored at ambient temperature

Terminally sterilized through gamma irradiation, packaged under nitrogen and sourced with meticulous donor screening, AlloSpark-GF stands alone as a unique, first-of-its-kind supplemental product for bone grafting.





- **Now available for the first time in oral surgery!**
- **Used successfully in over 16,000 spinal fusion surgeries, AlloSpark-GF usage delivered superior fusion rates as compared to reported fusion rates for autograft and other advanced orthobiologics products.[2]**

AlloSpark-GF™

Supplemental Allograft Derived Proteins

Unlock your graft's potential

Size	Item Number	Cost	Cost: 7 or More
0.5 cc	#ALLOSPARK-GF-0.5	240.00	200.00
1.0 cc	#ALLOSPARK-GF-1.0	420.00	350.00
2.5 cc	#ALLOSPARK-GF-2.5	900.00	750.00

References:

1. Data on file, Isto Biologics
2. Joseph, S., & Edge, L. (2023). Radiographic Evaluation of MI-TLIF Procedures Utilizing Novel Allograft Growth Factor. Jspine, 12, 606.
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4. Ku, J.K., Lim, J.H., Lim, J.A., Um, I.W., Kim, Y.M., & Yun, P.Y. (2025). Reducing healing period with DDM/rhBMP-2 grafting for early loading in dental implant surgery. Tissue Engineering and Regenerative Medicine, 22(2), 261–271.Cite revascularization supporting data
5. Raines, A. L., Berger, M. B., Patel, N., Hyzy, S. L., Boyan, B. D., & Schwartz, Z. (2019). VEGF-A regulates angiogenesis during osseointegration of Ti implants via paracrine/autocrine regulation of osteoblast response to hierarchical microstructure of the surface. Journal of Biomedical Materials Research A, 107(2), 423–433.
6. Barrientos, S., Brem, H., Stojadinovic, O. & Tomic-Canic, M. (2014) Clinical Application of Growth Factors and Cytokines in Wound Healing. Wound Repair Regen. 2014; 22(5): 569–578.
7. Flamme, I., Reutern, M., Drexler, H., Syed-Ali, S., & Risau W. (1995). Overexpression of Vascular Endothelial Growth Factor in the Avian Embryo Induces Hypervascularization and Increased Vascular Permeability without Alterations of Embryonic Pattern Formation. Developmental Biology, 171, 399-414. Cite osseointegration supporting data
8. Stavri, G., Zachary, I., Baskerville, P., Martin. J.F., & Erusalimsky, J.D. (1995) Basic Fibroblast Growth Factor Upregulates the Expression of Vascular Endothelial Growth Factor in Vascular Smooth Muscle Cells. American Heart Association Volume 92, Issue 1. 1995, 11-14.

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