

G4Derm™ Plus

Biomimetic Matrix



Powered by Self-Assembling Peptides (SAP) to revitalize stalled, complex wounds

G4Derm™ Plus is a viscoadaptive Biomimetic Matrix specifically designed to form a 3D scaffold that mimics the ECM of native skin to enhance granulation tissue formation and help close complex wounds. The synthetic peptides are engineered to self-assemble into an ECM-like structure for tissue regrowth while providing broad-spectrum antibacterial protection.

Supports Tissue Regrowth



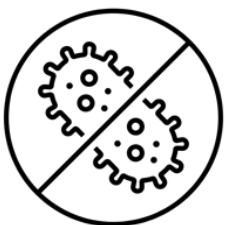
The biomimetic matrix gradually resorbs and integrates into the host tissue¹ to revitalize stalled wounds by supporting granulation tissue formation and revascularization^{2,3}. The 3D scaffold consists of amino acids, including Arginine, Lysine, and Proline, known to be involved in wound healing⁴, immunomodulation⁵, and collagen synthesis⁶.

Eliminates Dead Space



G4Derm™ Plus fully conforms to irregularly shaped and hard-to-access wounds, including tunneling and undermined regions^{7,8}. The viscoadaptive properties of the biomimetic matrix enable efficient coverage of large and deep wound areas⁹, eliminating dead space.

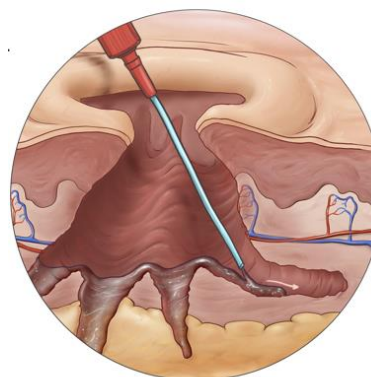
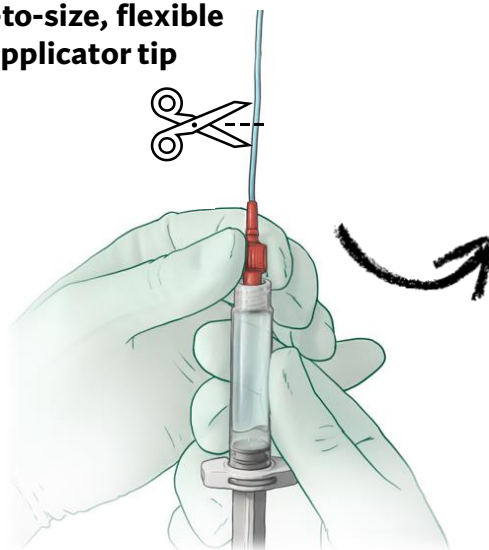
Offers Antibacterial Protection



The cationic peptides in **G4Derm™ Plus** provide inherent broad-spectrum antibacterial protection¹ to manage bioburden^{10,11} and prevent biofilm reformation^{11,12} while maintaining an environment conducive to wound healing¹.

G4Derm™ Plus system

Cut-to-size, flexible
applicator tip



Easy application in hard-
to-access wounds

Indications for Use

G4Derm™ Plus is to be used under the supervision of healthcare professionals for the local management of partial- and full-thickness wounds, including:

- Diabetic ulcers
- Pressure ulcers
- Lower extremity ulcers of venous, arterial, or mixed etiology
- Surgical wounds
- First-degree and partial-thickness burns

Ordering Information

VA Ref. No.	Description	Wound Coverage	Qty
CLIN01303	G4Derm™ Plus 3D Peptide Matrix, 2mL pre-filled syringe w/ applicator tip	20cm ²	1
CLIN01305	Volume Discount – G4Derm™ Plus 3D Peptide Matrix, 2mL pre-filled syringe w/ applicator tip	20cm ²	4

*Coverage to the thickness of a dime (approximately 1 mm)

References

1. FDA 510k submission package; 2. Data on File (TRS1502W; GM-2101); 3. Regulski M. Journal of Wound Care. 2025; 4. Schneider KL et al. Adv Skin Wound Care. 2019; 5. Zhang et al. Nano Letters. 2024; 6. Karna E et al. Cell Mol Life Sci. 2020; 7. Data on File (VV-0051). 8. Frykberg et al. Wounds. 2025; 9. Sara Rose-Sauld, Jennifer Skolnik, Adam Landsman. Clinical applications of a novel, Food and Drug Administration -approved biomimetic matrix in refractory diabetic foot ulcers: An observational case series analysis. Journal of Clinical and Translational Research 2025, 11(2), 87–93. 10. Data on File (RR-0004); 11. Tellechea A et al. Wound Repair and Regeneration. 2025.; 12. Data on File (RR-0003).

LEARN MORE:

Contact Spartan Medical Inc.

(888) 240-8091

CS@SPARTANMEDICAL.COM



SPARTAN MEDICAL INC.

1445 Research Blvd, Suite 520,
Rockville, MD 20850

spartanmedical.com

UEI: LCJBD88KQ8G3

DUNS: 807438341 | CAGE:65VT5

