

Silk based Fibroheal for efficient wound dressing and quick healing

By Dr. Bilqeesa Bhat

A Bengaluru based company Fibroheal Woundcare Pvt. Ltd. has come up with a silk protein derived product called as Fibroheal as a promising cleaner alternative to the traditional dressing for wounds. The silk protein-based wound healing sheet contains two active components, the activated silk matrix and asiaticosides from derived from herb *Centella asiatica*. Asiaticoside is a major triterpenoid component widely used for wound healing.



Fibroheal™ Silk Protein, Asiaticoside
Derived Wound Healing Sheet
Available in 5x5 cms, 10x10 cms, 10x25cms, 20x25cms



Fibroheal is bio-compatible, non-toxic with a faster healing rate and enhanced epidermal growth functionality. Further, it protects the wound from secondary infection, gradual biodegradation of wound contact part, and easy removal of dressing during recovery, post healing phase and also leaves minimum scars.

The innovation tries to address non-healing, slow-healing and difficult to heal acute and chronic wounds issues. This cleaner alternative to collagen dressing, the only form of dressing other than skin grafts, is actively helps in healing of wounds. There are different products available such as Fibroheal Sheet, Fibroheal Powder and Fibroheal Ointment. The company has already sold approximately 36,000 units.

Among other advantages, the Fibroheal is dermatological safe, and it moisturizes and protects peri-wound skin. It is easy to use and gets detached from the wound easily. It is highly absorbent, has non-mammalian origin, and reduced pain within 24 hours of application.

India is the second-largest producer of silk globally. Silk as biomaterials is being investigated through research in various biotech labs all over the world for use in tissue engineering and reconstructive surgery. Silk is a versatile, non-toxic, non-allergenic and biodegradable biomaterial.

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