

## BioDerm Sciences *First Aid Spray*

**Product Tag line:** *Cleanses Wounds and Accelerates the Healing Process*

**Product Category:** First Aid wound cleanser and moisturizer

**Product Indication:** BioDerm Sciences *First Aid Spray* is an effective first aid spray for the **cleansing and** treatment of open wound injuries such as abrasions, minor cuts, scrapes and burns.



**Product Claims:** BioDerm Sciences *First Aid Spray* and wound cleanser:

- Cleans the affected area
- Decreases bleeding
- Provides wound healing nutrients
- Prevents bacterial infections
- Reduces swelling
- Promotes healing.

**Product Formulation:** BioDerm Sciences *First Aid Spray* contains the patented PT4S wound nutrient complex in a dermatological tested hypoallergenic solution. Providing a moist environment is known to be central to modern wound healing principles and can accelerate the wound healing process by 50%<sup>1</sup>. PT4S is a unique wound cleansing and nutrient formulation containing the optimal acidic pH for the constriction of blood vessels and thus minimizes bruising<sup>2</sup>. **BioDerm Sciences *First Aid Spray*** also contains a patented combination of Zinc and Iron, as well as a number of essential elements such as Chromium, Copper, Manganese, Molybdenum that reduce the inflammation phase resulting from injury, which in turn reduces the overall healing time<sup>3</sup>. The optimal concentration of Zinc also provides the essential mineral involved in wound repair<sup>4</sup>. With Selenium as an active key ingredient, **BioDerm Sciences *First Aid Spray*** has antioxidant properties and reduces free radicals. **BioDerm Sciences *First Aid Spray*** has been used for many years by European athletes and trainers and was used by the German National Soccer team during their successful quest for the World Cup in 1990.

**Directions for use:**

Hold spray 6 inches from affected area and spray directly onto wounded area. Repeat as necessary. For best results, apply **BioDerm Sciences *First Aid Spray*** and then cover affected area with a bandage and keep moist with the spray until wound closure. This first aid product is designed for external use but because of the lack of any irritants, it may be safely applied to face, mouth and lips. For better cooling results store **BioDerm Sciences *First Aid Spray*** in the refrigerator before applying.

**References:**

- 1) Nemeth AJ, Eaglstein WH, Taylor JR, et al. Faster healing and less pain in skin biopsy sites treated with an occlusive dressing. Archives of Dermatology, Vol 127, November 1991, pp1679-1683.
- 2) Liu, K., Kalen, A., Fibroblast proliferation due to exposure to a platelet concentrate in vitro is pH dependent, Wound Repair Regeneration, 2002 Sep-Oct; 10 (5): 336-40
- 3) Nezu, R, The importance of total parenteral nutrition-associated tissue zinc distribution in wound healing, Surgery Today 1999; 29(1): 34-41.
- 4) Whittaker, P, Iron and zinc interactions in humans, American Journal of Clinical Nutrition 1998 Aug; 68(2 Suppl): 442S-446S.