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Not Rated Yet



Description

Axiostat® 8×8 cm Haemostatic Patch

The **Axiostat® Haemostatic Patch (8×8 cm)** is a **sterile, single-use, non-absorbable haemostat** designed for the temporary control of **moderate to severe bleeding** in emergency and trauma situations. Developed with **Protonated Bioadhesive Polymer Technology (PBT®)**, it uses the natural bioadhesive properties of **100% chitosan** to stop bleeding quickly by adhering to tissue and forming a robust seal. Unlike coated dressings, Axiostat is **protein-free, non-allergenic**, and leaves no debris in the wound. Lightweight and vacuum-sealed, it is a trusted solution for combat, emergency medicine, and prehospital care.

How It Works

Axiostat works on a unique **charge-based mechanism of mucoadhesion**:

1. **Compression:** Applied directly to the wound site.
2. **Charge-based adhesion:** Positively charged chitosan molecules bind to negatively charged blood cells.



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3. **Plasma sorption:** Rapid absorption of plasma concentrates clotting factors.
4. **Platelet activation:** Promotes platelet activation and fibrin mesh formation.
5. **Haemostasis:** Creates a strong barrier that halts bleeding faster than the natural clotting cascade.

At physiological pH, the patch detaches easily, ensuring **atraumatic removal**.

Indications

- Gunshot wounds
- Puncture or stab wounds
- Blast injuries
- Cuts, lacerations, abrasions
- Arterial and venous bleeding
- Head, neck, and face trauma
- Situations where **tourniquets cannot be applied**

Key Features

- **100% Chitosan** - superior haemostasis compared to coated dressings
- **Protein-free and non-allergenic**
- Rapid haemostasis - **faster than natural clotting**
- Ultra-compact, **vacuum-sealed packaging**
- Can be **cut, folded, or packed** into deep wounds
- Lightweight and portable - ideal for field use

Specifications

Size	8 × 8 × 0,5 cm
Material	100% Chitosan
Use	Sterile, single-use, non-absorbable haemostatic patch
Packaging	Ultra-light, vacuum-sealed
Certifications	BIS, CE, ISO 13485:2016, FDA, NSN (select types)

Recommended Use

Ideal for **trauma care, combat operations, EMS, and pre-hospital first response**. Especially useful in locations where tourniquets are not effective.

Manufacturer

Axio Biosolutions Private Limited

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