SENTINEL® CHEST SEAL (BOX OF 10)

$91.41

Always on Duty

SKU: 20-001

NSN: 6510-01-600-4628 | **Info::** Quantity: Box of 10 |

PRODUCT DESCRIPTION

The Sentinel® Chest Seal is a device designed to seal an open chest wound and minimize the risk of developing tension pneumothorax, a leading cause of preventable battlefield death.[1] This seal maintains static placement for spontaneous relief of tension pneumothorax and ensures effective channeling for the release of blood and air.

The Sentinel® Chest Seal patented design minimizes vent occlusion while permitting simultaneous release of blood and air. The 360° layer of Sentinel 10x™ adhesive sticks in place and remains fully adhered to the casualty in all environments while the transparent design allows a clear view of the wound. Together, these features reduce the need to apply multiple seals and lower the risk of tension pneumothorax, a leading cause of preventable battlefield death.[1]

PRODUCT INFO

Capabilities

- **Vented** – simultaneous blood and air release
- **Sticks** – 360° Sentinel 10x adhesive
- **Clear** – view the wound

Product Attributes

- 360° Sentinel 10x non water-based adhesive base
- Transparent to allow a clear view of the wound

- Reservoir directs blood to valve to prevent clogging
- Contains highly absorbent non-woven wipe
- Two-part peel allows controlled placement
- Meets CoTCCC guidelines for vented chest seal

Clinical Benefits

- Adhesive is effective in all environments, reducing the need to apply multiple seals for the same wound
- Layered design with channels minimize vent occlusion, while permitting simultaneous release of blood and air

SPECIFICATIONS

- NSN: 6510-01-600-4628
- PN: 20-001
- FDA Listed
- Single-Use
- 6-Year Shelf Life
- Specifications:
    - Unit Dimensions:
        - Package: 7.5’’L x 8’’W
        - Deployed: 6.5’’ Dia.
    - Unit Weight: 1 oz.
    - Not made with natural rubber latex
- Available Direct, Prime Vendor, ECAT, CEC and GSA
- Made in USA

TRAINING

Do Vented Chest Seals Differ in Efficacy?, Dr. Bijan S. Kheirabadi Study 2017

Entrotech Peel Adhesion Testing Report

Experiment to test feasibilty of a bi valved chest seal

Bijan Vented versus unvented chest seals J Trauma Acute Care Surg 2013

Chest Seal Comparison

Chest Seal Video

REFERENCES

1 Eastridge BJ, et al., Death on the battlefield (2001-2011): implications for the future of combat casualty care., J Trauma Acute Care Surg. 2012 Dec;73(6 Suppl 5):S431-7.