

**PolyMem**<sup>®</sup>  
**SURGICAL**<sup>™</sup>

## ***Control Inflammation, Increase Healing***

*Control inflammatory response for maximum benefit,  
speed healing, and improve outcomes with  
a revolutionary dressing for surgical incision sites*



# POLYMEM®—THE PROVEN INTELLIGENT DRESSING

PolyMem dressings have helped clinicians successfully manage millions of wounds worldwide. The dressings protect the wound and ensure moist wound healing by continuously cleansing, filling, absorbing and moistening wounds, regardless if they are healing by primary or secondary intention.

Activated by wound fluid...

- The PolyMem dressing will expand and conform to the wound.
- The mild, non-toxic, tissue-friendly wound cleanser and the glycerin incorporated in the dressing will be released to the wound bed/incision site, while the superabsorbents and the foam will bind fluid in the dressing.
- The semi-permeable film cover helps maintain appropriate moisture balance.



PolyMem Surgical has the ability to rapidly control inflammation, resulting in the following benefits:

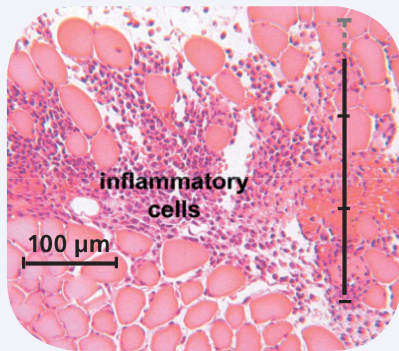
## CLINICIANS

## PATIENTS

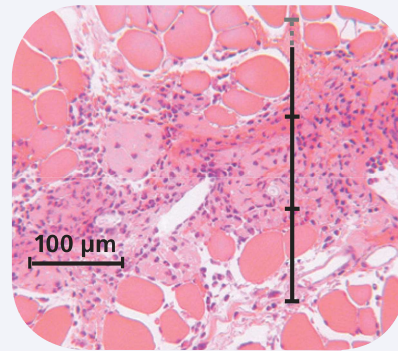
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| <ul style="list-style-type: none"> <li>• Improved compliance post-operatively</li> <li>• Less chance of infection and wound breakdown</li> <li>• Less reliance on analgesia</li> <li>• Overall cost-benefit</li> </ul> | <ul style="list-style-type: none"> <li>• Reduced pain</li> <li>• Reduced edema and swelling</li> <li>• Improved rehabilitation</li> <li>• Overall improved clinical outcome</li> </ul> |
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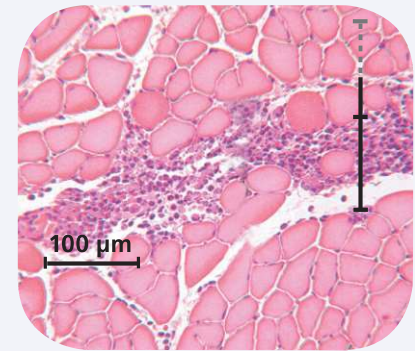
## PolyMem helps reduce spread of inflammatory reaction into surrounding, uninjured areas



(A) Incision only



(B) Incision with gauze



(C) Incision with PolyMem

This series of images shows the width of the spread of the inflammatory cells, in muscle, around an incision. The dark portion of the scale in each image (each segment is 100μm) represents the spread of the zone of the inflammatory reaction around the center line of the incision. In images A and B, there is no difference in the spread of the inflammatory reaction around the center of the injury. In image C, notice how PolyMem reduces the spread of the inflammation into the surrounding tissue. Statistically, PolyMem reduces the spread of the inflammatory reaction into the surrounding undamaged tissue by approximately 25 percent.<sup>1</sup>

### Controlled inflammation improves outcomes

PolyMem Surgical dressings are designed to concentrate inflammation to where it is needed—in the operated tissues.<sup>1</sup>

Controlling the inflammatory process helps reduce secondary cell damage and pain caused by the typical swelling and bruising usually observed beyond the operative site.<sup>1,2,3</sup>

PolyMem has been shown to reduce secondary cell damage by reducing the recruitment of adjacent inflammatory nerve endings (also referred to as nociceptors or free nerve endings).<sup>1</sup> These populous nerve endings, found in the epidermis, dermis, muscle, joints and viscera, are responsible for triggering and spreading the inflammatory reaction into surrounding uninjured tissues.<sup>4,5,6,7,8</sup> The spreading of inflammation is often clinically evidenced by increased temperature, bruising, swelling, increased sensitivity to stimuli, and pain beyond the immediate zone of injury.<sup>5,7</sup>

PolyMem, when placed on open or closed injuries, is believed to provide its benefits by changing the nerve responses both locally at the injury site and

### Other important benefits

- PolyMem surgical dressings, applied at the time of surgery, help improve post-surgical scar appearance.<sup>9</sup>
- Unique shapes for different types of surgery
- The adhesive tape seal is waterproof if properly applied, permitting patients to shower.
- PolyMem dressings adhere well to the skin - even when moist - and provide an optimal environment for moist wound healing.

### Minimize infection and blistering

By helping to reduce swelling and bruising, PolyMem improves blood flow to the surgical site and removal of cellular debris. All of these actions help to reduce the immediate and long-term risk of infection.<sup>2,3,10,11,12</sup> PolyMem has been shown to help reduce the risk of surgical site and joint infection and virtually eliminate blistering, while dramatically reducing patients' swelling and pain.<sup>13,14,15,16</sup>

No infections in 900 consecutive total joint replacements.<sup>12</sup>

These dressings, applied in the operative theater, are designed to be left in place for three to five days so the incision is not exposed to potential contamination during a dressing change or visualization prior to epithelialization completion.<sup>14</sup>

For additional antibacterial action, PolyMem Silver Surgical dressings can be used to manage incision sites.\* The dressings contain high-purity, nanocrystalline silver particles which are universally distributed throughout and bound into the dressing membrane. The dressings have been found to be one of the best for use on healing tissues.<sup>17</sup> Other commonly specified silver dressings have been found to damage the key cells required for healing.<sup>17</sup>

\* In tests for antimicrobial effectiveness using several in-vitro methods, PolyMem Silver dressings killed at least 99% of the entire population of each organism tested. The bacteria and fungi tested included *Klebsiella pneumoniae* (ATCC# 4352), *Pseudomonas aeruginosa* (ATCC# 9027), *Enterococcus faecalis* (VRE) (ATCC# 51575), *Candida albicans* (ATCC# 10231), *Staphylococcus aureus* (MRSA) (ATCC# 33591) and *Staphylococcus aureus* (ATCC#6538). The organisms chosen demonstrate the antimicrobial actions of the silver formulation on relevant, representative organisms found in clinical settings.

# PolyMem<sup>®</sup>

## SURGICAL

	Ref	Description	Dimensions	Packaging
	0511	Flexible Surgical Dressing	5.3" x 11" (13cm x 28cm)	5 Per Box 2 Boxes Per Case
	1511	Flexible Silver Surgical Dressing	5.3" x 11" (13cm x 28cm)	5 Per Box 2 Boxes Per Case
	0512	Surgical Dressing	5.5" x 12.75" (14cm x 32cm)	5 Per Box 2 Boxes Per Case
	1512	Silver Surgical Dressing	5.5" x 12.75" (14cm x 32cm)	5 Per Box 2 Boxes Per Case
	0481	C-Section Dressing	4.7" x 10.2" (12cm x 26cm) Adhesive 2.7" x 8.25" (7cm x 21cm) Pad	5 Per Box 2 Boxes Per Case
	0230	MAX Film Island Dressing	2.75" x 3" (7cm x 7.6cm) Adhesive 1.25" x 1.5" (3.1cm x 3.8 cm) Pad	10 Per Box 4 Boxes Per Case
	606	MAX Film Island Dressing	5.25" x 5.25" (13.3cm x 13.3cm) Adhesive 3.5" x 3.5" (9cm x 9cm) Pad	15 Per Box 4 Boxes Per Case
	3412	MAX Film Island Dressing	3.5" x 11.75" (8.9cm x 29.8cm) Adhesive 2" x 10" (5cm x 26cm) Pad	12 Per Box 1 Box Per Case

PolyMem Surgical dressings are not made with natural rubber latex.

### INDICATIONS FOR USE

For the management of partial and full thickness surgical wounds healing by primary intention.

Available through most major medical supply distributors.

This document is meant for general informational purposes only. See individual product literature for specific indication and instructions for use. We strongly recommend that you consult your payer organization with regard to its reimbursement policies.

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 30% post-consumer material



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