OPTICELL® AG+
INTIMATE WOUND CONTACT
FOR OPTIMAL HEALING

with chytoform
Chitosan-based gelling fiber technology
Opticell Ag+ delivers broad spectrum antimicrobial efficacy. The dressings contain 0.75% ionic silver by weight. When the dressing encounters a wound environment, silver ions are activated to manage bioburden. The silver inhibits the growth of bacteria and fungi in the dressing, yet is harmless to skin cells (noncytotoxic).*

In vitro antibacterial efficacy of Opticell Ag+
Opticell Ag+ has been shown to kill many micro-organisms over a 7 day period, including:*  
» Methicillin-resistant *Staphylococcus aureus* (MRSA) ATCC 33591—gram positive bacteria  
» *Escherichia coli* ATCC 8739—gram negative bacteria  
» *Pseudomonas aeruginosa* ATCC 9027—gram negative bacteria  
» *Candida albicans* ATCC 10231—yeast  
» Vancomycin-resistant *Enterococcus faecalis* (VRE) ATCC 51575—gram positive bacteria  
» *Staphylococcus aureus* ATCC 6538—gram positive bacteria  

*In-vitro antibacterial data on file.
OPTICELL AG+
BRINGING THE SCIENCE OF THE OCEAN TO WOUND CARE.

Opticell with Chytoform™ Technology is the next generation of chronic wound care dressings. Chytoform is a proprietary chitosan-based gelling fiber technology. Opticell is the first chronic wound care dressing that uses this advanced biological material.

For decades, chitosan has been used in health care applications—in topical hemostats, treatments for surgical wounds and traumatic injuries, and even dietary supplements—because of its distinctive properties.

What is Chitosan?
A biological material derived from crustacean shells, chitosan possesses a very unique chemistry, including a positive charge at physiological pH. This unique chemistry can be beneficial in a wound environment where there are negative particles, like those found in necrotic tissue and wound exudate. Consequently, chitosan continues to be the center of much academic and clinical research.1-5

How does Opticell work?
When moistened, the absorbent fibers of Opticell transform into a conformable gel. This gelling action, combined with its unique chemistry, strength and absorbency, allows Opticell to deliver outstanding benefits.
Conforms to the wound surface
When moistened, Opticell’s absorbent fibers transform into a conformable gel. This enables Opticell to effectively manage drainage and remove dead, damaged tissue. Opticell’s conformable and low profile design provides intimate contact with the wound surface. Dressings with stitching, on the other hand, exhibit a ridging effect that can limit wound contact.

The smooth, thin and conformable profile provides for intimate contact with the wound.

The ridges in the dressing may lead to an uneven wound contact surface.

Opticell (Chytoform)

Competition (Stitched Gelling Fiber)

ABSORPTION STUDY RESULTS

Average Fluid Absorbed (g/100cm²)
Based on in-vitro testing, Opticell had the highest average absorbency of the three dressings tested.

Manages moisture and helps promote autolytic debridement
Opticell’s unique gelling action helps manage drainage and aids in the removal of dead, damaged and infected tissue from the wound, trapping it for later removal at the dressing change. This natural, autolytic debridement is gentle on the wound and promotes a moist wound healing environment. Opticell fiber dressing is a market leader in absorbency. A recent study compared Opticell’s absorptive capabilities to our competitors’ dressings.6

Ask your Medline rep for a demonstration using the surface area memory test panel.
GENTLE PATIENT CARE.

Helps to prevent maceration by wicking vertically
Opticell’s Chytoform technology wicks fluid vertically, not laterally. This can help reduce the risk of periwound maceration because wound fluid will not migrate across the dressing to reach this vulnerable skin.

Reduces dressing change frequency
Opticell’s proprietary Chytoform technology delivers exceptional absorbency, which can help reduce dressing change frequency. Consequently, patients are subjected to fewer dressing changes, wound bed disruption is minimized and treatment costs may be reduced.

Separates gently from the wound
Application and removal is gentle on wounds because of Opticell’s strength and unique gelling properties.

EASE OF USE.

Indicated for a wide variety of wounds
Opticell is uniquely versatile because it can be used on wounds of all drainage levels. Opticell may be pre-moistened for effective use on dry or lightly draining wounds.

Indications
» Partial- and full-thickness wounds
» First- and second-degree burns
» Diabetic foot ulcers
» Venous stasis ulcers
» Arterial ulcers and leg ulcers of mixed etiology
» Pressure ulcers
» Surgical wounds
» Donor sites

Contraindications
» Third-degree burns
» Individuals with a known sensitivity to Chitosan, which is a derivative of shellfish, or silver

Promotes gentle, pain-free removal
With Opticell’s superb strength and unique gelling properties, application and one-piece removal is gentle on wounds and virtually pain-free for patients.

Ensures correct application and usage with Educational Packaging
All the information you need—short and sweet. With our revolutionary educational packaging (EP), clinicians can quickly understand vital information about patient safety and proper application. Each package serves as a 2-minute course in wound care™. EP packaging ensures that you and your patients get the best performance Opticell has to offer.
ORDERING INFORMATION.

Opticell Ag+ Gelling Fiber Wound Dressing with Antibacterial Silver and Chytoform Technology

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Pkg</th>
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<tbody>
<tr>
<td>MSC9822EP</td>
<td>Opticell Ag+, 2 x 2&quot; (5.1 x 5.1 cm), Sheet Dressing</td>
<td>100/cs, 10bx/cs, 10ea/bx</td>
</tr>
<tr>
<td>MSC9845EP</td>
<td>Opticell Ag+, 4 x 5&quot; (10.2 x 12.7 cm), Sheet Dressing</td>
<td>50/cs, 5bx/cs, 10ea/bx</td>
</tr>
<tr>
<td>MSC9866EP</td>
<td>Opticell Ag+, 6 x 6&quot; (15.2 x 15.2 cm), Sheet Dressing</td>
<td>50/cs, 10bx/cs, 5ea/bx</td>
</tr>
<tr>
<td>MSC98812EP</td>
<td>Opticell Ag+, 8 x 12&quot; (20.3 x 30.5 cm), Sheet Dressing</td>
<td>50/cs, 10bx/cs, 5ea/bx</td>
</tr>
<tr>
<td>MSC9818EP</td>
<td>Opticell Ag+, 0.75 x 18&quot; (1.9 x 45.7 cm), Ribbon Dressing</td>
<td>50/cs, 10bx/cs, 5ea/bx</td>
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</tbody>
</table>

Opticell Gelling Fiber Wound Dressing with Chytoform Technology

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Pkg</th>
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</thead>
<tbody>
<tr>
<td>MSC7822EP</td>
<td>Opticell, 2 x 2&quot; (5.1 x 5.1 cm), Sheet Dressing</td>
<td>100/cs, 10bx/cs, 10ea/bx</td>
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<tr>
<td>MSC7844EP</td>
<td>Opticell, 4.25 x 4.25&quot; (10.8 x 12.8 cm), Sheet Dressing</td>
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<tr>
<td>MSC7866EP</td>
<td>Opticell, 6 x 6&quot; (15.2 x 15.2 cm), Sheet Dressing</td>
<td>50/cs, 10bx/cs, 5ea/bx</td>
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<tr>
<td>MSC7818EP</td>
<td>Opticell, 0.75 x 18&quot; (1.9 x 45.7 cm), Ribbon Dressing</td>
<td>50/cs, 10bx/cs, 5ea/bx</td>
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</tbody>
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Opticell’s exceptional absorption capabilities can help reduce dressing change frequency.

Contact your Medline representative, call 1-800 MEDLINE or go to www.medline.com for more information.

REFERENCES

Some products may not be available for sale in Mexico or Canada. We reserve the right to correct any errors that may occur within this brochure.

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RETAINTING ITS SHAPE AND SIZE TO MAINTAIN COMPLETE WOUND COVERAGE.

Opticell won’t shrink under pressure! Opticell retains its original size and shape better than the competition.⁷

SURFACE AREA MEMORY (SAM)⁷

<table>
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<tr>
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<th>Average Surface Area Reduction (%)</th>
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<tbody>
<tr>
<td>Opticell</td>
<td>40%</td>
</tr>
<tr>
<td>Aquacel Extra</td>
<td>30%</td>
</tr>
<tr>
<td>Durafiber</td>
<td>25%</td>
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</tbody>
</table>

Based on in-vitro studies, Opticell shows significantly better surface area memory (SAM).

TEST IT OUT FOR YOURSELF
See reverse side for device comparison test.
1. Place a 2” x 2” Opticell dressing in the square above.
2. Pour 5 mL of saline, saturating the whole surface of the dressing.

Observations: As Opticell absorbs fluid, it maintains its size better than Aquacel Extra.

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1. Place a 2” x 2” Aquacel Extra dressing in the square above.
2. Pour 5 mL of saline, saturating the whole surface of the dressing.

Observations: Fluids can reduce the Aquacel Extra dressing’s surface area by more than 30%.

Opticell’s surface area memory (SAM) promotes complete contact with entire wound surface.