Milliken

MILLIKEN HEALTHCARE PRODUCTS, LLC





THE FUTURE OF FOAM DRESSINGS:

ULTRA & ULTRA SILVER



Active Fluid Management®	Proven leader in periwound protection by minimizing the risk of maceration		
Used with Other Treatments	May be used with other treatment modalities including compression		
Fewer Dressing Changes	Proven fewer dressing changes than traditional foams		
Variety of Applications	Can be cut to size without affecting the dressing performance		
Conformable	Engineered to be flexible and comfortable for patients		
Conformable Diabetic Foot Ulcer [Engineered to be flexible and comfortable for patients		
Conformable Diabetic Foot Ulcer C	Engineered to be flexible and comfortable for patients		

UNDERSTANDING FOAM DRESSINGS AND CLINICALLY RELEVANT CAPACITY

Today, traditional foam dressings are promoted on the basis of their Bulk Absorption, the point at which the foam is fully saturated. In clinical practice, foams are changed before reaching their bulk absorption capacity to minimize the risk of maceration. This is the Clinically Relevant Capacity.

ULTRA and ULTRA Silver foam dressings utilize Active Fluid Management* (AFM*) Technology, which allows dramatically increased Clinically Relevant Capacity.

An *in vitro* test method was developed and used to quantify the Clinically Relevant Capacity of ULTRA, ULTRA Silver and other market-leading foam dressings.



TEST METHOD

SWF was delivered at 3 mL/hour. Tests were repeated over several months. Two clinically trained observers determined when to change the dressing to avoid maceration based on these criteria:

- SWF droplets visible under foam
- SWF leaking from the sides
- Concentrated strike-through

TRADITIONAL FOAM DRESSINGS

Saturate locally at the wound bed, only utilizing a small portion of the actual foam.

Moisture concentrated around periwound

ULTRA AND ULTRA SILVER Transfer moisture away from the wound and across

the foam, utilizing more foam capacity while protecting the periwound.

Protection layer keeps moisture away from periwound Clinically Relevant Capacity at Dressing Change Compared to Full Capacity



OBSERVATIONS AND CONCLUSIONS

Upon the dressing change, all products reached their Clinically Relevant Capacity before reaching their Bulk Absorption Capacity. The Clinically Relevant Capacity for ULTRA and ULTRA Silver dressings were found to be 43% greater than the closest product and as much as 466% greater than all traditional foam dressings tested. This evaluation demonstrates the potential for ULTRA and ULTRA Silver to have less frequent dressing changes than other foam dressings.

Percent of Dressing Used Before Dressing Change

Dressing	% Use
ULTRA Dressings	73
Allevyn ◊ Adhesive	58
Aquacel [®] Foam	57
Allevyn ◊ Gentle Border	49
Mepilex [®] Border	45
Mepilex [®] Ag	41
Biatain [®] Ag	40
Polymem [®]	39
Optifoam®	38
Allevyn Von-Adhesive	28
Mepilex®	11

PERIWOUND PROTECTION

Milliken scientists designed the following experiment to compare the moisture management capabilities of foam dressings with Active Fluid Management technology to several traditional foam dressings. The experimental set up was similar to the saturation model, as featured under Clinically Relevant Capacity except the SWF was delivered to the center of the model. There is also a layer of gauze under the tested foams to simulate a periwound.



ULTRA and ULTRA Silver dressings leave less moisture on the simulated periwound than traditional foam dressings, potentially resulting in less risk of maceration.

VERTICAL WOUND MODEL

The vertical wound model is designed to simulate dressing performance in a vertical orientation, where the effects of gravity can be observed. This allows modeling of real-world patient positions.



<u>CONCLUSIONS</u>

After 24 hours, ULTRA and ULTRA Silver dressings spread fluid across the entire foam, utilizing a higher percentage of the dressing. This may lead to fewer dressing changes and less risk of leakage from the dressing. Even though ULTRA and ULTRA Silver appear wet throughout, the Protection Layer keeps the periwound surface dry to lower the risk of maceration.

ORDERING INFORMATION



ULTRA	Size	Code	HCPCS	Packaging
000	4″ x 5″	3000006840	A6210	10 ea/bx 10 bx/cs

Packaging

10 ea/bx

10 bx/cs



Three Easy Ways to Order:

- 1. Preferred Distributor
- 2. Preferred DME
- 3. Direct from Milliken



Pull exudate away from the wound. Preserve optimal moisture. Protect healthy skin.

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