

# Start smart for effective and efficient wound care

3M<sup>™</sup> Veraflo<sup>™</sup> Therapy with the 3M<sup>™</sup> Smart Instill<sup>™</sup> Feature and 3M<sup>™</sup> Dermatac<sup>™</sup> Drape makes it easier than ever to initiate therapy **Delayed healing and wound complications** are a significant care and cost burden

0,000



of all wounds are infected or critically colonized<sup>1</sup>



In the average 500-bed hospital, infected wounds can add 9.58 days in excess length of stay and \$38,656 in excess charges<sup>2</sup>



Costs are expected to increase even more as the population ages and the incidence of comorbid conditions that give rise to wounds increases<sup>3</sup>



from mature biofilms

# A smart start to managing bioburden

The number of microorganisms with which an object is contaminated is referred to as the bioburden.<sup>4</sup>

#### Bioburden formation is commonly considered to occur in five main stages:<sup>5</sup>



# **3M<sup>™</sup> Veraflo<sup>™</sup> Therapy helps reduce bioburden through repeated cleansing cycles**



#### Cleanse

Delivers topical wound solutions that dwell in the wound to help dilute and solubilize infectious material<sup>12</sup>



# Remove

Removes solubilized wound debris and infectious materials under negative pressure to lower bioburden<sup>13</sup>



#### Promote

Promotes granulation tissue formation and perfusion to prepare the wound for closure<sup>14</sup>

# Veraflo Therapy: Shown to promote granulation tissue formation in a porcine model



A significant increase in granulation thickness

(p=0.05)



\*Shown to promote granulation tissue formation in porcine studies.

Histological images from a porcine study show a 43% increase in granulation tissue thickness between 3M<sup>™</sup> V.A.C.<sup>®</sup> Therapy with the 3M<sup>™</sup> V.A.C.<sup>®</sup> Granufoam<sup>™</sup> Dressing (left) and Veraflo Therapy with the 3M<sup>™</sup> V.A.C. Veraflo<sup>™</sup> Dressing (right) after 7 days of therapy.<sup>15</sup>



Veraflo Therapy combines the benefits V.A.C.<sup>®</sup> Therapy with an instillation therapy option featuring both **automated** volumetric delivery of topical wound treatment solutions with a programmable soak feature which allows solution to dwell in the wound for thorough contact.

# Veraflo Therapy can help:



Instillation and dwell cycle helps to soften, separate, and solubilize thick wound exudate and nonviable tissue.<sup>12</sup>

### Cycle repeats for duration of therapy

# Veraflo Therapy has demonstrated positive clinical outcomes over standard of care, including traditional NPWT<sup>16</sup>

A systematic review of comparative studies and meta-analysis<sup>16</sup> evaluated the performance of Veraflo Therapy versus control in 13 studies and 720 patients with various wound types. Results of the analysis revealed Veraflo Therapy delivered significant advantages over standard of care.





# Use of Veraflo Therapy can potentially reduce costs versus standard of care

Based upon the meta-analysis by Allen Gabriel, MD et al. an economic model<sup>16</sup> was developed to compare the cost using Veraflo Therapy to traditional wound care options including V.A.C.<sup>®</sup> Therapy.

Despite higher therapy cost of Veraflo Therapy, the reduction in therapy time and required OR visits resulted in a potential savings of 50%, or up to \$33,337 per patient.<sup>17</sup>



\$33,337 in savings per patient

Overall potential cost saving with NPWTi versus control based on fewer OR visits and shorter therapy.

NOTE: The model uses select study data to provide an illustration of estimates of costs for use. This model is an illustration and not a guarantee of actual individual costs, savings, outcomes or results. Savings may

# Veraflo Therapy with 3M<sup>™</sup> V.A.C. Veraflo Cleanse Choice<sup>™</sup> Dressing: Stage IV pressure ulcer

A 64-year-old male with multiple comorbidities presented with a stage IV pressure ulcer of the sacrum present for over four years.



Day 0: Veraflo Therapy with V.A.C. Veraflo Cleanse Choice Dressing initiated. **Dwell time:** 1 minute

**NPWT time:** 30 minutes at -150mmHg

Solution: Saline



Day 3: Wound at first dressing change.



Day 0: Dwell time

NPWT time

Solution: \

# Veraflo Therapy with V.A.C. Veraflo Cleanse Choice Dressing: **Chronic wound**

A 54-year-old male with hypertension, diabetes mellitus, and Charcot foot was admitted to the hospital with a chronic left-foot wound. Patient is treated with an intravenous antibiotic regime, followed by surgical debridement with excision of necrotic tissue.



e: 10 minutes
<b>e:</b> 3.5 hours at -125mmHg
/ashe® Wound Therapy Solution

### Day 2:

After two days of Veraflo Therapy, the wound bed displays healthy granulation tissue with minimal devitalized tissue or thick slough. V.A.C. Veraflo Cleanse Choice Dressing is changed.

Patient data and photos courtesy of Douglas Duke, DO; Director of Wound Care, Flowers Hospital, Dothan, AL.

NOTE: As with any case study, the results and outcomes should not be interpreted as a guarantee or warranty of similar results. Individual results may vary depending on the patient's circumstances and condition.

# Veraflo Therapy with V.A.C. Veraflo Cleanse Choice Dressing: Traumatic wound

A 33-year-old male amputee with history of tobacco use, anemia, and methicillin-resistant Staphylococcus aureus presented with infection of above-the-knee stump. Conservative sharp debridement was performed at the bedside, and oral antibiotics were initiated.



Day 0: Veraflo Therapy with V.A.C. Veraflo Cleanse Choice Dressing initiated.

**Dwell time:** 10 minutes

**NPWT time:** 2 hours at -125mmHg

**Solution:** Hypochlorous Solution (80-100mL)



Day 3: Wound after 3 days of Veraflo Therapy with V.A.C. Veraflo Cleanse Choice Dressing.



Days 6 and 9:

Further granulation tissue and reduction in slough after 6 and 9 days of V.A.C. Veraflo Cleanse Choice Dressing. Veraflo Therapy discontinued and switched to V.A.C.<sup>®</sup> Therapy.

# Veraflo Therapy with V.A.C. Veraflo Cleanse Choice Dressing: Traumatic wound



Day 0:

Solution: Dakin's<sup>®</sup> Solution

Following a boating injury, a 26-year-old female received transfemoral amputation that resulted in soft-tissue defect measuring approximately 90 × 45cm<sup>2</sup>. Antibiotics were administered throughout the patient treatment period.

With patient in critical condition and debridement no longer an option, Veraflo Therapy with V.A.C. Veraflo Cleanse Choice Dressing was initiated.

**Dwell time:** 5 minutes

**NPWT time:** 2 hours at -150mmHg



Day 4:

Wound demonstrated healing at 4 days following initiation of Veraflo Therapy.



**Day 8:** 

Wound showed absence of devitalized tissue, with increase in vascularity and significant granulation. Veraflo Therapy was transitioned to V.A.C. Veraflo Dressing.



### Day 167:

Patient 167 days after initial injury. taking first steps on a new prosthesis.

Patient data and photos courtesy of Brandon Hill, RN, CWCN, FACCWS; Ochsner Louisiana State University Health Shreveport, Shreveport, LA

NOTE: As with any case study, the results and outcomes should not be interpreted as a guarantee or warranty of similar results. Individual results may vary depending on the patient's circumstances and condition.

# Start smart with V.A.C.<sup>®</sup> Ulta 4 Therapy System

The only device to provide you with a comprehensive selection of negative pressure solutions from a single convenient pump. Empower your outcomes by creating multiple efficiencies across multiple settings.







# Introducing the Smart Instill Feature for Veraflo Therapy

The Smart Instill Feature uses sophisticated software that automates many of the Veraflo Therapy steps and delivers an easier and less time-consuming interaction when initiating instillation therapy:

# Therapy initiation steps with the Smart Instill Feature

Select Veraflo Therapy

Select Smart Instill Feature





Automatically determines the volume of topical wound solution to instill

### Now with the Smart Instill Feature



Preprogrammed therapy settings align to global advisory recommendations<sup>18</sup>



Animated troubleshooting, customizable alarm and postpone feature

3M<sup>™</sup> Smart Instill<sup>™</sup> Feature

Just another reason to start smart with Veraflo Therapy.



# 3M<sup>™</sup> Veraflo<sup>™</sup> Cleanse Choice Complete<sup>™</sup> Dressing Kit

Veraflo Cleanse Choice Complete Dressing foam has an array of 1cm holes providing mechanical movement that work in conjunction with the cyclic delivery of instillation fluid and NPWT. This combination creates a purposefully designed mechanical movement at the wound bed which facilitates the stimulation of granulation tissue and removal of solubilized non-viable tissue.



#### Therapy goals:



### Cleanse

Cleanse wounds when slough or nonviable tissue remains



#### Remove

Remove thick. non-viable tissue and infectious materials



# Promote

Promote granulation tissue formation



# Prepare

Help prepare for wound closure

Innovative silicone-acrylic hybrid material helps with patient comfort at dressing change



100% (n=17) of patients agreed that Dermatac Drape was painless upon removal.

# Veraflo Cleanse Choice Complete Kit includes Dermatac Drape

Apply with ease Conforms to different anatomical locations and can be repositioned upon initial placement



Seal the heal Maintains a highly effective seal for wound protection



### Remove with kindness

Skin-friendly removal supports optimal healing and patient comfort over standard of care

# Feel confident with a skin-friendly drape that maintains a seal for 72 hours

#### Supports the healing process:

• Gentle to the skin and provides peri-wound protection • Low tack adhesive properties of Dermatac Drape are strong enough to maintain a seal for V.A.C.<sup>®</sup> Therapy and Veraflo Therapy, yet gentle enough to help take the pain out of dressing changes<sup>19,20,21</sup> • Easy to use and reduces the time associated with dressing changes compared to standard of care<sup>19,20</sup>

### Improves patient comfort:<sup>22</sup>

Dermatac Drape was placed on 17 patients over a 2-week period, with dressing changes every 48 to 72 hours. At dressing changes, patients were asked how Dermatac Drape felt upon removal







# **Strengthening the 3M advantage**

With a comprehensive portfolio of advanced wound care solutions 3M is at the forefront of scientific innovation, collaborating with clinical partners to develop proven clinical therapies at every point in the care journey.

Innovations like the Smart Instill Feature, Veraflo Cleanse Choice Complete Dressing, and Dermatac Drape demonstrate 3M's commitment.

Transforming outcomes through patient-centric science, 3M is setting high standards across the continuum of care.

# **3M Health Care:** Your partner in transforming outcomes

### **Stewarding Skin**



We deliver solutions that help protect, manage and support skin healing, leading to fewer complications, reducing trauma and improving each patient's overall well-being.

We partner with healthcare professionals globally with a focus on transforming outcomes through patient-centered science. When we combine 3M's science with your expertise, amazing things happen.

### **Preventing Complications**



From reducing the risk of blood stream infections to providing solutions that address patient and staff safety, we're committed to reducing preventable complications to drive toward better outcomes.

### **Restoring Lives**



From our negative pressure wound therapies, to our comprehensive line of skin integrity solutions, we are focused on helping you provide the best possible care for your patients

# 3M<sup>™</sup> V.A.C.<sup>®</sup> Ulta Therapy System ordering information for Veraflo Therapy

Pump & Components		Kits & Dressings	
ULTDEV01/US	3M <sup>™</sup> V.A.C. <sup>®</sup> Ulta Therapy Unit, United States	VFCCC05MD	3M <sup>™</sup> Veraflo <sup>™</sup> Cleanse Choice Complete <sup>™</sup> Dressing Kit, medium, 5-pack
ULTLNK0500	3M™ V.A.C. Veralink™ Cassette, 5-pack	VFCCC05LG	3M <sup>™</sup> Veraflo <sup>™</sup> Cleanse Choice Complete <sup>™</sup> Dressing Kit, large, 5-pack
ULTDUO0500	3M™ V.A.C. VeraT.R.A.C. Duo™ Tube Set, 5-pack	ULTVFL05SM	3M <sup>™</sup> V.A.C. Veraflo <sup>™</sup> Dressing, small, 5-pack
M8275063/5	500mL Canister with gel for use with 3M <sup>™</sup> V.A.C. <sup>®</sup> Ulta Therapy Unit	ULTVFL05MD	3M <sup>™</sup> V.A.C. Veraflo <sup>™</sup> Dressing, medium, 5-pack
M8275093/5	1000mL Canister with gel for use with 3M <sup>™</sup> V.A.C. <sup>®</sup> Ulta Therapy Unit	ULTVFL05LG	3M <sup>™</sup> V.A.C. Veraflo <sup>™</sup> Dressing, large, 5-pack
		DTAC10LDP	3M <sup>™</sup> Dermatac <sup>™</sup> Drape, Case of 10

#### For more information visit 3M.com/Veraflo

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## NOTE: Specific indications, contraindications, warnings, precautions, and safety information exist for these products and therapies. Please consult a clinician and product instructions for use prior to application. Rx only.

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