

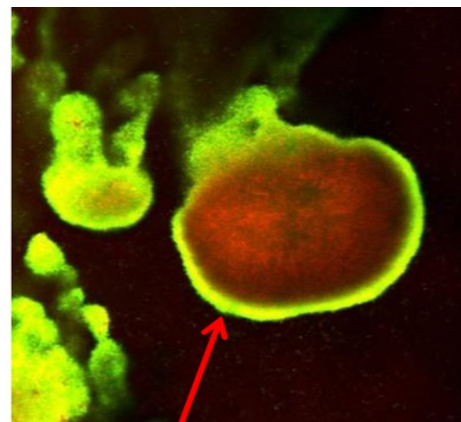
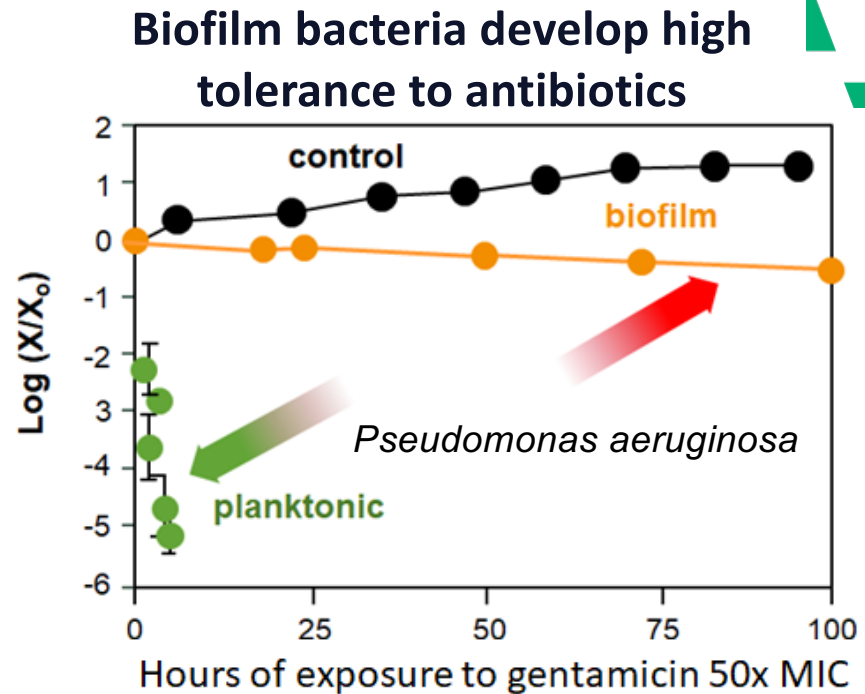
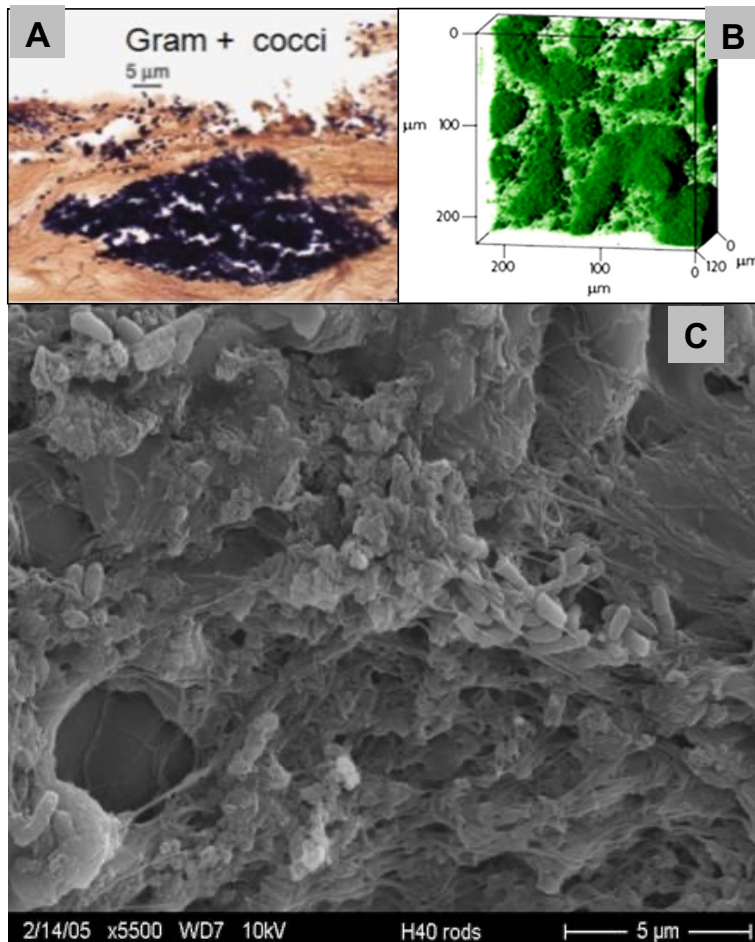
revvyve™

ANTIMICROBIAL WOUND GEL

For the Treatment of Acute and
Chronic Wounds



Biofilms Identified in >80% of Biopsies of Chronic Wounds but in Only 6% of Acute Wounds



- Only fluorescent bacteria are metabolically active
- Only located in outer layers of the biofilm matrix
- Antibiotics only kill metabolically active bacteria

revvyve™

ANTIMICROBIAL WOUND GEL

A Fresh Start for Chronic Wounds

EFFICACY

EASE OF USE

ACCESSIBILITY



The Triple Threat Approach to Wound Care

EFFICACY

- Patented coactiv+™ technology – combining effects of PHMB + EDTA + Citrate
- Pluronic non-ionic surfactant – assisted autolytic debridement
- Prolonged antimicrobial activity – against both planktonic and biofilm based pathogenic bacteria

EASE OF USE

- Thermo-gelling non-ionic pluronic surfactant
- Easy to apply, stays on the wound

ACCESSIBILITY

- Affordably priced for all settings of care

revyve™

Main Components

coactiv+™ (EDTA and Citric Acid)

- Maintain favorable pH (5.9) for fast healing
- Inhibit biofilm formation
- Inhibit microbial growth
- Inhibit metalloprotease activity & inflammation
- Preservative

PHMB

- High therapeutic index
- Fast acting
- FDA, CE cleared predicate preservative

Non-ionic Pluronic

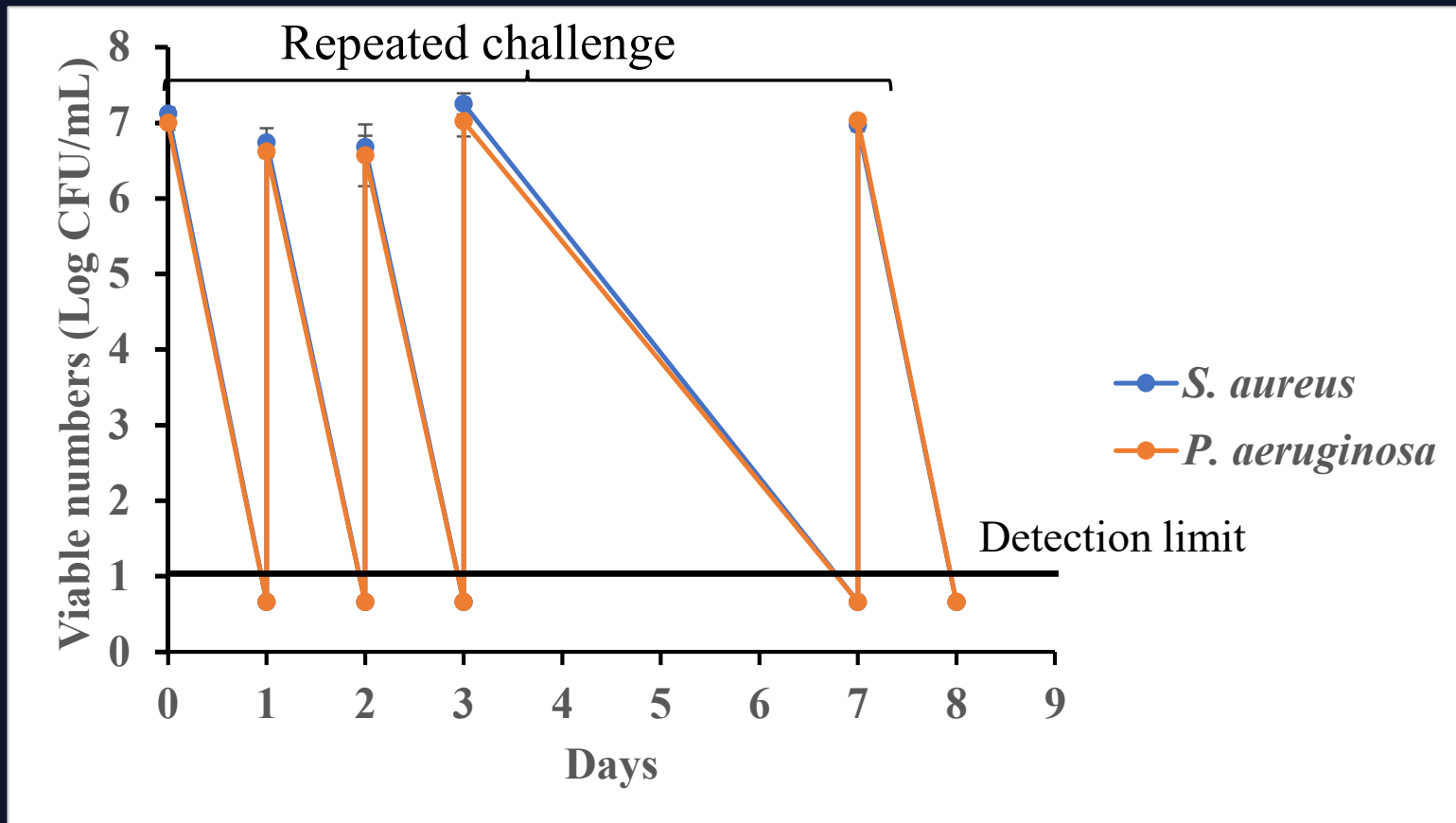
- Thickening agent
- Surfactant which aids in biofilm dissolution
- Thermo-reversible
- Provides sustained release of active antimicrobials over 7 days

Antimicrobial Efficacy Against Planktonic Bacteria

Organism	Reduction in viable numbers in 30 min (Log CFU/mL)			
	RAWG	Premium WG1	Premium WG2	Premium WG3
<i>S. aureus</i>	>5	>5	>5	>5
<i>S. aureus</i> (MRSA)	>5	>5	>5	>5
<i>P. aeruginosa</i>	>6	>6	>6	>6
<i>S. epidermidis</i>	>5	>5	>5	>5
<i>E. coli</i>	>5	>5	>5	>5
<i>A. baumannii</i>	>5	>5	>5	>5
<i>K. pneumoniae</i>	>5	>5	>5	>5
<i>C. albicans</i>	≥4	≥4	≥4	1.4
<i>S. pyogenes</i>	>4.5	>4.5	>4.5	>4.5
<i>C. acnes</i>	>5	>5	>5	>5

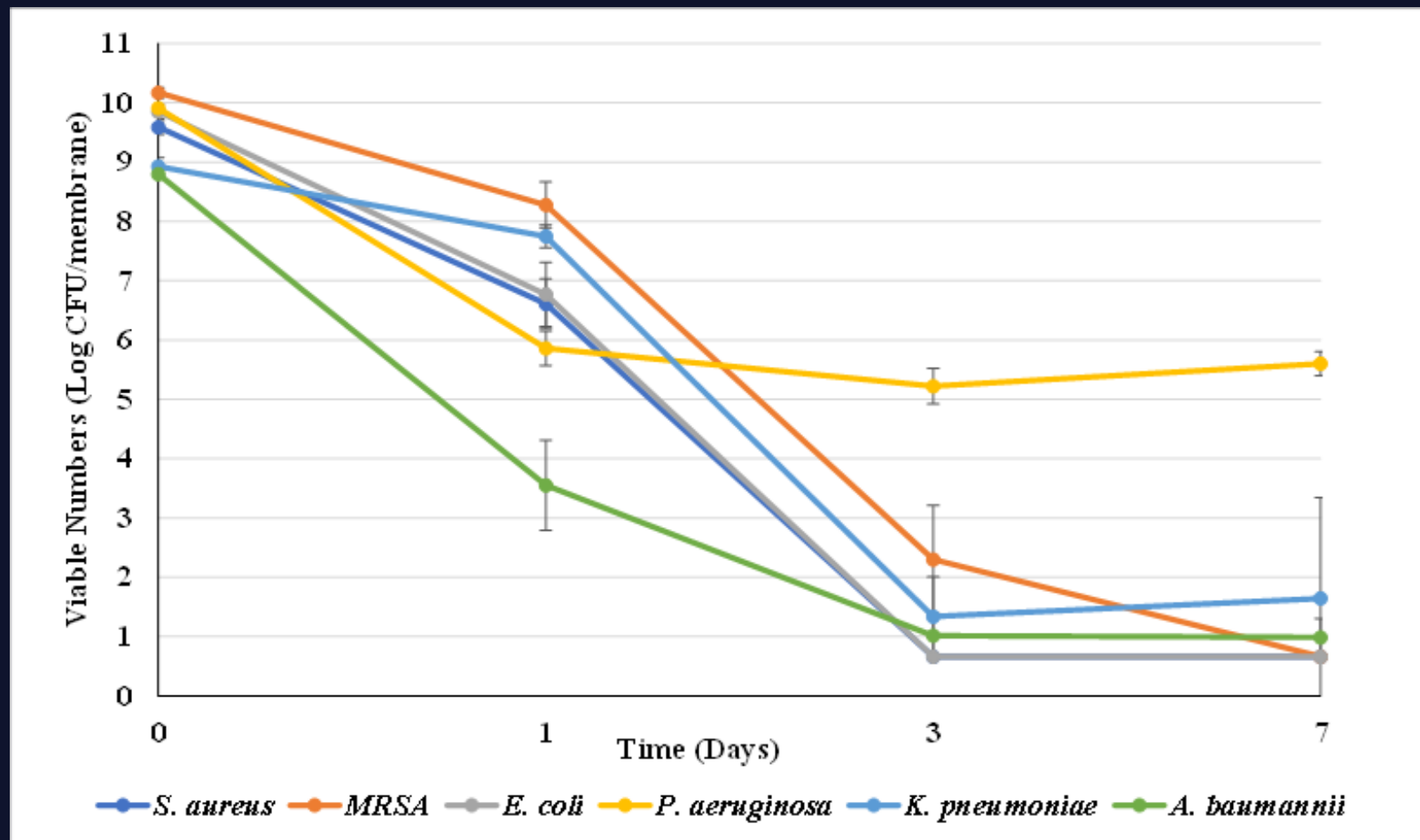
***In vitro* antimicrobial activity test was performed as per modified ASTM E235-03**

revyve™ Maintained Antimicrobial Activity Through Repeated Challenges



revyve™ Anticicrobial Wound Gel eliminated planktonic reinoculation challenge on days 1, 2, 3 and 7.

revyve™ Significantly Killed Biofilm Bacteria in Nitrocellulose Membrane Model



Efficacy Against Mature Antibiotic Tolerant Biofilm

Using Ex Vivo Pig Skin Dermal Explant

➤ Sterile pig skin explant

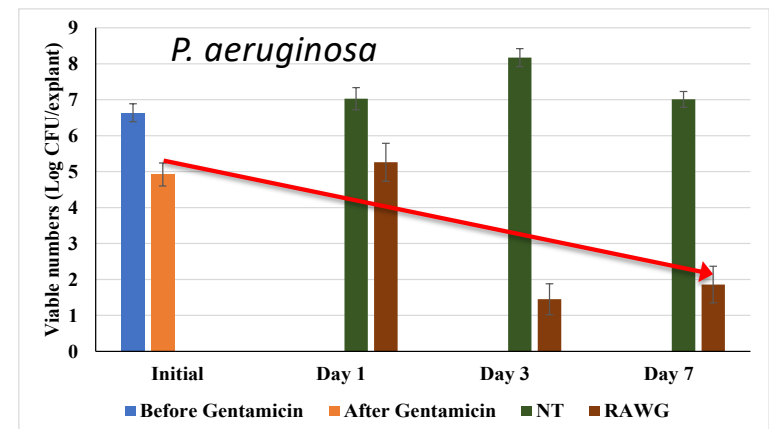
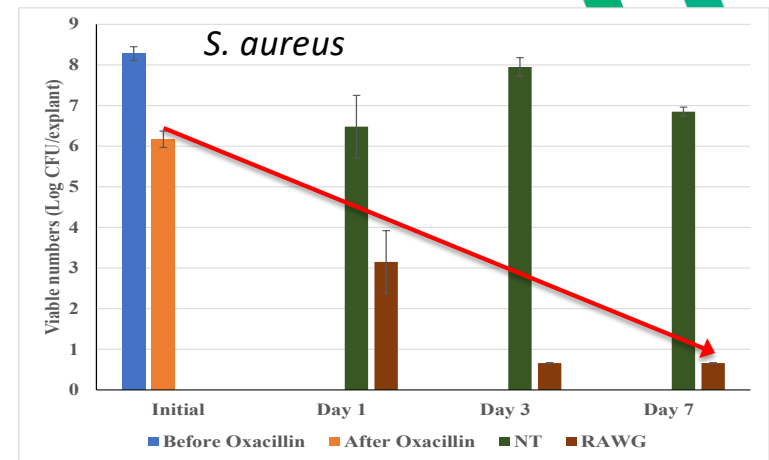
➤ *S. aureus* and *P. aeruginosa*, inoculated and incubated on non-antibiotic agar for 24 h

➤ *S. aureus* and *P. aeruginosa*, incubated on antibiotic agar for 48 h

➤ 24 h antibiotic treatment

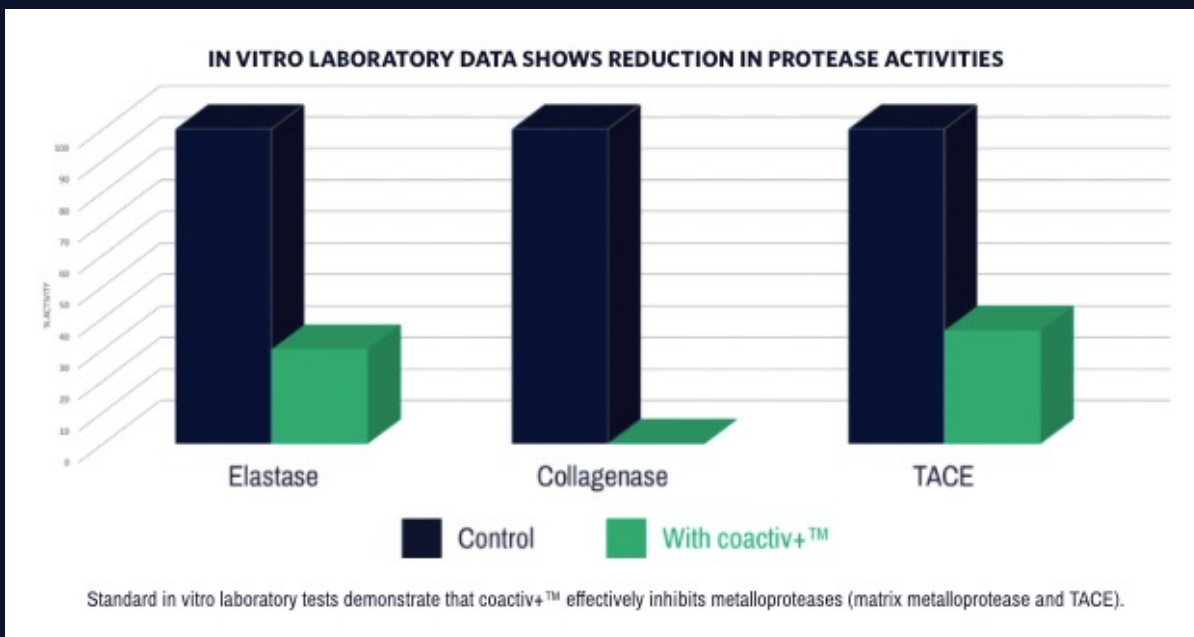
➤ 2 mL RAWG /well to cover 3-5 mm thick gel over explant. Incubate at 37°C

➤ Viable count on day 1, 3 and 7



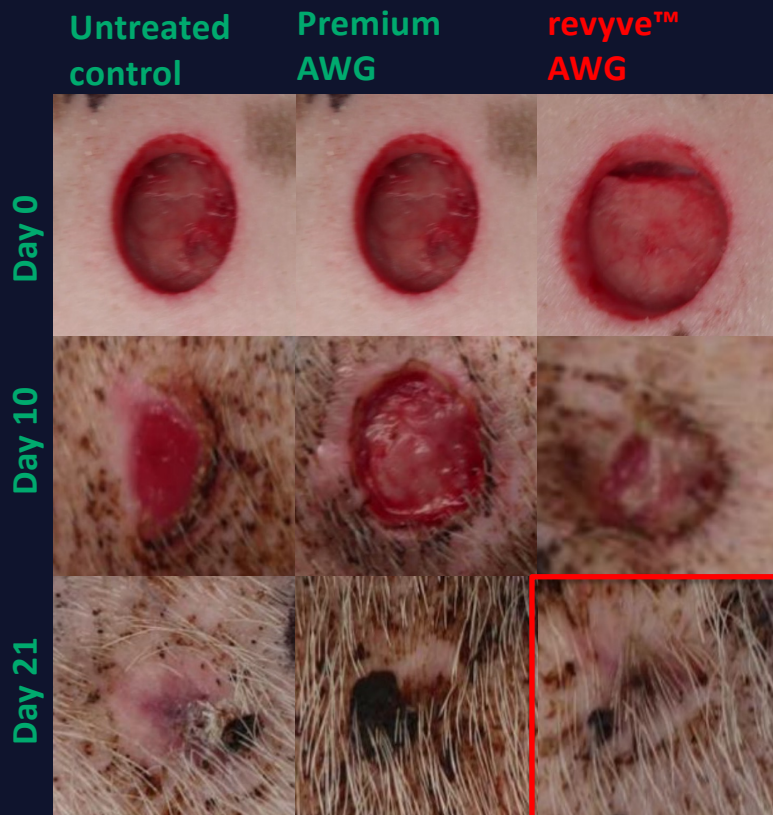


Potent Inhibition of Proteases



- Chronic wounds contain excessive amounts of proteases that inhibit wound healing
- coactiv+™ technology is shown to inhibit the activity of these proteases
- TACE: Inhibiting TNF-alpha converting enzyme reduces excessive inflammation that impairs healing

revyve™ Treatment of Porcine Full Thickness Skin Wounds Does Not Impair Healing

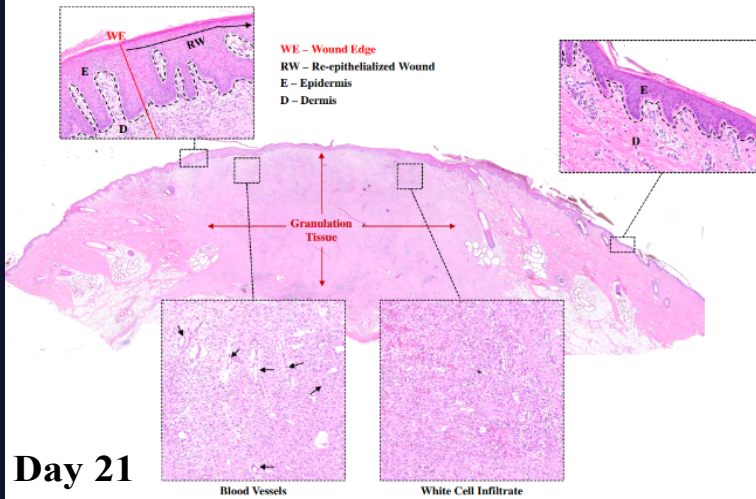
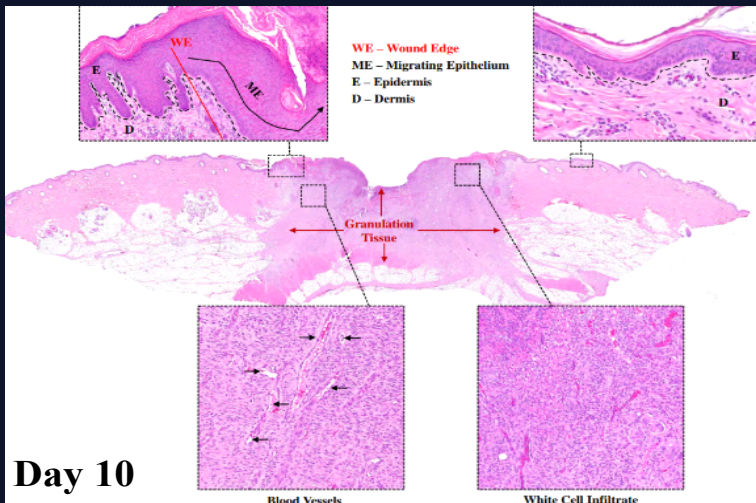


- Wound size 20 mm biopsy punch, full thickness wound
- Gels applied 3 times/week
- No impairment of healing at days 10 or 21

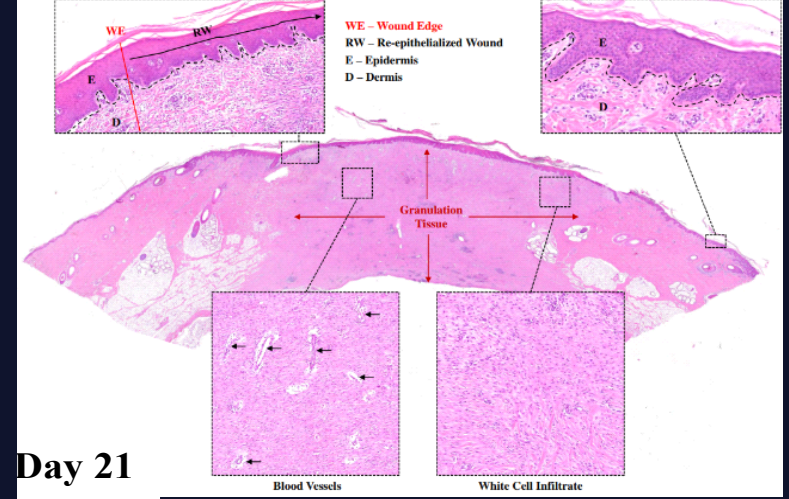
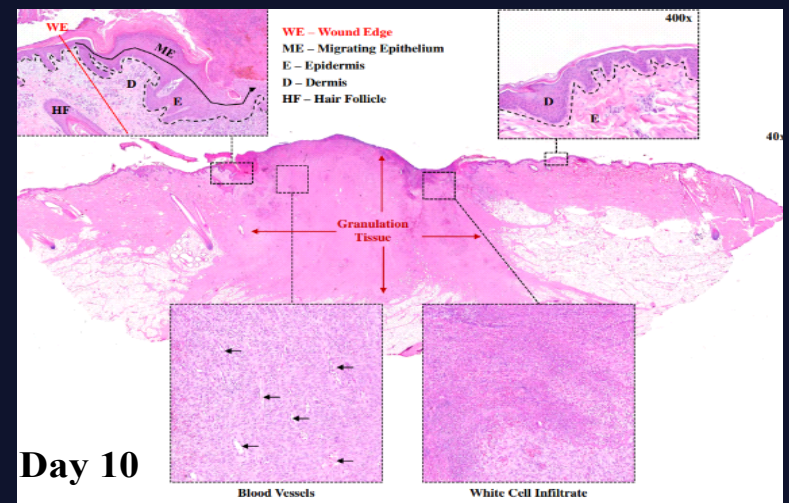
revyve™ Treated Wounds Showed Excellent Histology

Of Epithelium and Dermal Scar Matrix With Minimal Inflammation

Premium wound gel



revyve™ Antimicrobial Wound Gel



Case Study A



Case studies were conducted to see how healing and bacterial colonization changed over the course of revyve™ Antimicrobial Wound Gel application. Microbial colonization before and after revyve™ Antimicrobial Wound Gel use was determined using a fluorescence imaging device (MolecuLight) (Le et al., 2021).

A patient with colonized ulcer (Black arrow) on big toe was treated with revyve™ Antimicrobial Wound Gel. **After 8 days, no bacterial colonization was detected by fluorescent light.** Wound healing and new tissue formation was evident in 15 days of wound gel use.

* Arrow indicates area of bacterial colonization

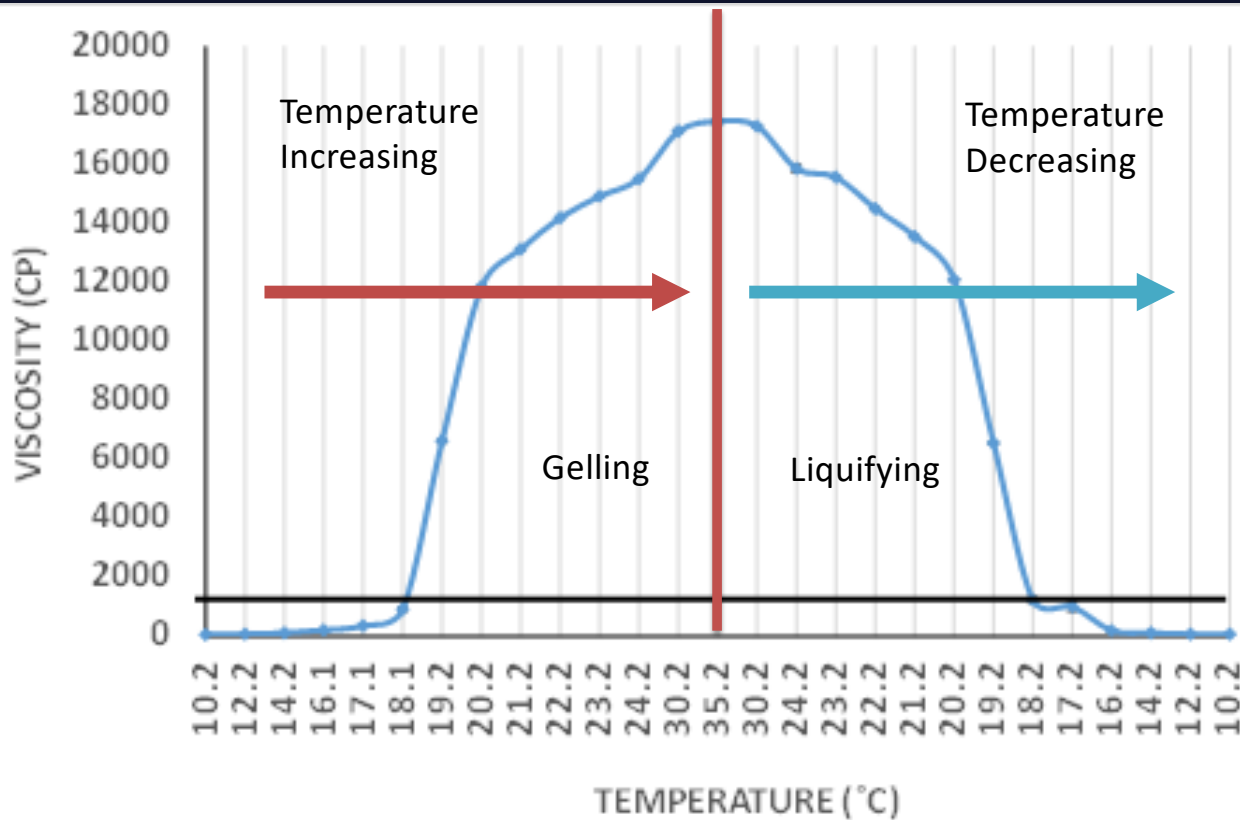
Ease of Use - Thermo-Gelling Process

- Forms a thick gel at body temperature, therefore stays in place on the wound
- Liquifies at lower temperatures (below 60 degrees F) allowing it to be easily applied and rinsed away, making it ideal for treatment of sensitive wounds such as burns
- Is a non-greasy, fragrance-free, clear gel enabling easy visualization of the wound bed

revvyve™
ANTIMICROBIAL WOUND GEL

**REVVYVE™
ANTIMICROBIAL WOUND
GEL LIQUIFIES AT
TEMPERATURES
BELOW 60°F**

Thermo-Reversible Property



- Gel is liquid below 18°C and progressively becomes a thick non-runny gel as temperature increases to wound temperature around 35°C
- This property can help gel to remain on the wound
- As temperature decreases, viscosity of the gel returns to a liquid state

Accessibility



510(k) – FDA regulatory approval received May 2023



revvyve™ is priced affordably for all sites of care



Strong pipeline which includes Surgical Gel and Rinse launching in the next 24 months

revvive™

ANTIMICROBIAL WOUND GEL