MILLER School of medicine

UNIVERSITY OF MIAMI

Department of Dermatology and Cutaneous Surgery Wound Healing Research Laboratory

Full Study Report

Determination of the Debridement Effects of Revity on Deep Dermal Wounds in a Porcine Model

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INSTITUTIONAL POLICIES AND REGULATIONS

The following experiment was submitted for approval by University of Miami's Animal Use Committee. This study was conducted in compliance of the University of Miami's Department of Dermatology & Cutaneous Surgery's Standard Operating Procedures (SOPs). Animals were monitored daily for any observable signs of pain or discomfort. In order to help minimize possible discomfort, two analgesics (buprenorphine and fentanyl transdermal) were used.

OBJECTIVE

The primary endpoint of the study to assess the capability of the treatments to remove slough on deep dermal wounds. The amount of slough removed was measured using Image J and the amount of Methicillin Resistant *Staphylococcus aureus* (USA300) and *Pseudomonas aeruginosa* PA09-010 removed from the wound bed was determined.

MATERIALS AND METHODS

Experimental Animals

A porcine model was used for our experimental research due to the morphological similarities between swine skin and human skin.¹ Four (4) animals were used for this study. Two animals were infected with Methicillin Resistant *Staphylococcus aureus* MRSA USA300 (results were combined with previous animal: reported 01-15-2022) and the other 2 animals were infected with a military isolation strain *Pseudomonas aeruginosa* PA09-010. The young specific pathogen free (SPF: Looper Farms, North Carolina) pigs weighing 35-45 kg were kept in house for at least 5 days prior to initiating the experiment. The animals were fed a basal diet *ad libitum* and housed individually in our animal facilities (meeting American Association for Accreditation of Laboratory Animal Care [AAALAC] accredited) with controlled temperature (19-21°C) and lighting (12h/12h LD).

Wounding Technique

The back of the experimental animal was clipped with standard animal clippers on the day of the experiment. The skin on both sides of the animal were prepared for wounding by washing with a non-antibiotic soap (Neutrogena Soap Bar; Johnson and Johnson, Los Angeles, CA) and sterile water. Each animal was anesthetized and given analgesics till the end of the study.

Thirty (30) deep reticular dermal wounds measuring (22 mm x 22 mm x 3 mm deep) were made in the paravertebral and thoracic area with a specialized electrokeratome fitted with a 22 mm blade. The wounds were separated from one another by 5-7 cm of unwounded skin. All wounds were inoculated within 20 minutes after wounding (see Wound Inoculation below). On Day 0 (after 72 hours biofilm formation), three (3) wounds were recovered as described below for baseline counts. The other twenty-seven (27) wounds were randomly divided into three (3) treatment groups with nine wounds according to the experimental design below (Figure 1).

Wound Inoculation

A fresh culture of Methicillin Resistant *Staphylococcus aureus* USA300 (MRSA USA300) or *Pseudomonas aeruginosa* PA 09-010 (military isolation) was used for these studies. All bacterial inoculum suspensions were made by swabbing a 3-cm diameter area of the overnight growth from a culture plate into 4.5 mL of sterile water. This resulted in a suspension consisting of approximately 10^{10} colony forming units/mL (CFU/mL). One mL of this suspension was diluted into 35 mL of Tryptic Soy Broth (TSB), making the inoculum suspension 10^{6} CFU/mL. A sample of this suspension was diluted and plated onto culture media to enumerate viable CFU/mL of organism prior to the experiment. The inoculum suspension was used directly to inoculate each wound by pipetting a 25 μ L aliquot into the center of each wound site with 20 minutes of wounds. The inoculum was scrubbed into the wound site with a sterile spatula for 30 seconds. All wounds were covered with a polyurethane

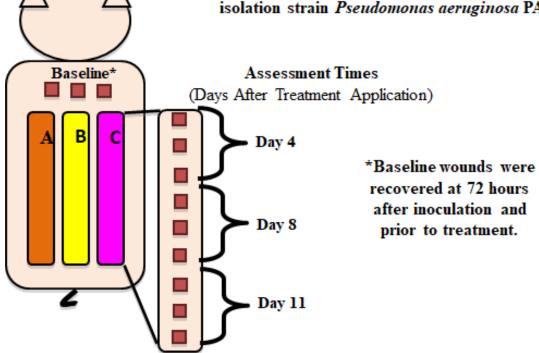
film dressing (Tegaderm Transparent Dressing; 3M Health Care, St. Paul, MN USA) for 72 hours to allow for slough and biofilm formation.²

Figure 1: Experimental Design

Number of Animals

<u>Treatments Groups</u> A. Revity B. Saline Irrigation C. Untreated Control

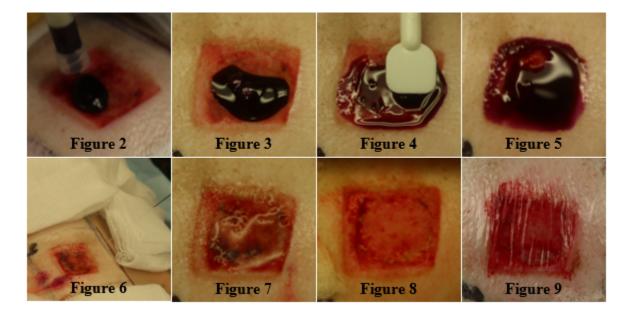
2 animals were infected with Methicillin Resistant Staphylococcus aureus MRSA USA300 (results combined with one previous animal reported on 01-15-2022) and the other 2 animals were infected with a military isolation strain *Pseudomonas aeruginosa* PA09-010.



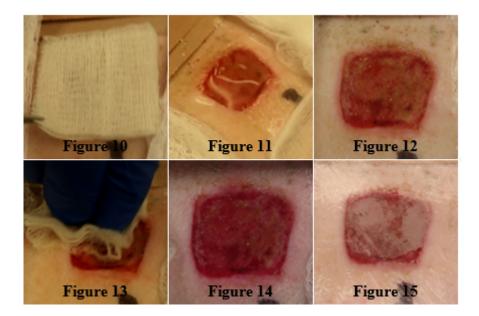
Treatment Regimen

After 72 hours after wounding and infection (Day 0 of treatment) the Tegaderm dressings were removed, and 3 wounds were recovered as a baseline. The remaining wounds were designated to one of the following groups: A) Revity, B) Saline, or C) Untreated Control.

Approximately 500 μ L of treatment was applied (Figures 2 and 3) for wounds treated with Revity, spread out with a sterile spatula and set for 30 seconds (Figures 4 and 5). After 30 seconds, wounds were rinsed with 10mL of sterile saline from a syringe as seen in Figures 6 and 7, then gently wiped with a sterile saline moisten gauze and after covered with Tegaderm as demonstrated in Figures 8 and 9.



Wounds assigned for Saline irrigation were treated for 30 seconds with premoisten (500uL of sterile saline) sterile gauze as shown in Figure 10. After the 30 seconds and removing the gauze, these wounds were rinsed (Figures 11 and 12) then gently wiped with a sterile saline moisten gauze (Figures 13 and 14) as performed on Revity treated wounds. All wounds were then covered with Tegaderm dressings as seen in Figure 15.



Untreated Control wounds were rinsed with a 10mL syringe of sterile saline (Figure 16) and then were gently wipe with sterile saline moistened gauze as performed clinically (Figures 17 and 18). These wounds were then all covered with Tegaderm dressings as shown in Figure 19.



All treatments were applied only once and after treatment application, wounds were covered individually with a Tegaderm dressing that was secured in place with tape and covered with Coban wrap (3M, St. Paul MN).

<u>Clinical Observations</u>

The amount of slough remaining was assessed as demonstrated above by gently wiping each wound and using the score scale in Figure 20 below. The raw data of all animals for the score of sloughs remaining on each of the wounds is observed below in Appendix 1: Table1.

* Score: $1 = absent$, $2 = mild$, $3 = moderate$, $4 = marked$, $5 = exuberant$
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		Figure 20:										
Slough Scores												
1: Absent	2: Mild	3: Moderate	4: Marked	5: Exuberant								

Coagulum – Amount of coagulum after debridement* * Score: 1 = absent, 2 = mild, 3 = moderate, 4 = marked, 5 = exuberant

Coagulum scores were performed on Day 4 (see Figures A and B for MRSA USA300 infected animals and Figures C and D for PA 09-010 infected wounds in Appendix 1: Tables 2 - 5). No coagulum was observed in the wounds for the other treatment groups.

Digital Photography & Measurement of the Slough Removal

Photographs were taken before and after treatment by using two rulers that were placed tangential which allowed each photo to be sized to scale. The wound area that includes slough was traced by digital imaging with ImageJ. In addition, the areas that clinically appear to show removal of slough/coagulum were digitally traced to determine potential debridement effects of the treatments (see Figure 21).

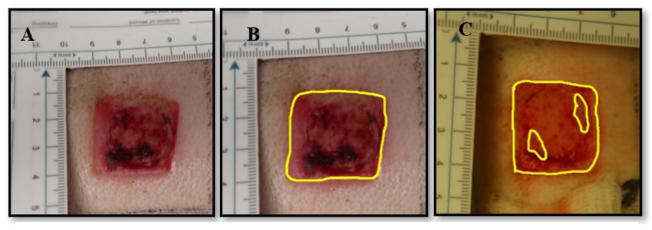


Figure 21: Scaling of Photograph (A) and measurement of slough removal [before (B) and after (C)].

Figures 22 -25 below show the percentages for coagulum presence in all wounds for every animal. These percentages were calculated by taking the total wound measurement (100%) as shown in Figure 21(b) and comparing it against the coagulum removed that was measured in Figure 21(c).

Figure F (Appendix 2 below) demonstrates an example of all Revity treated wounds that after being treated, these wounds began to bleed. All remaining wounds treated with Saline Gauze or left untreated did not exhibit any bleeding prior to or after treatment application.

Methicillin Resistant Staphylococcus aureus MRSA USA300

Wounds being treated with Revity on day 4, exhibited different degrees of coagulum. Scores ranged from 1 to 5, and measurements from 1.95 to 80.61% as shown in Figure 22. The total average coagulum measurements of all wounds for pig P21-226/27 was 27.81%.

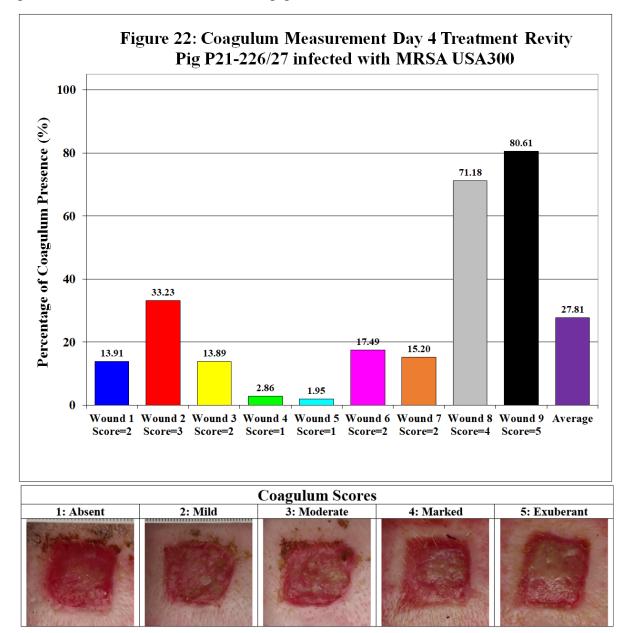
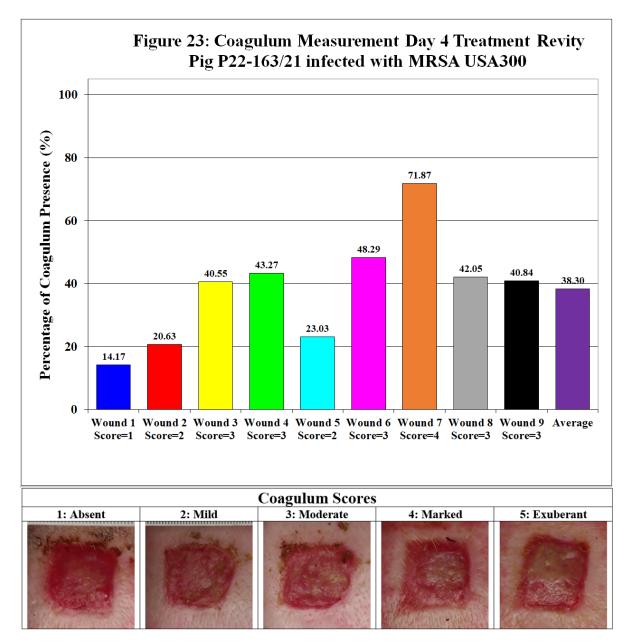


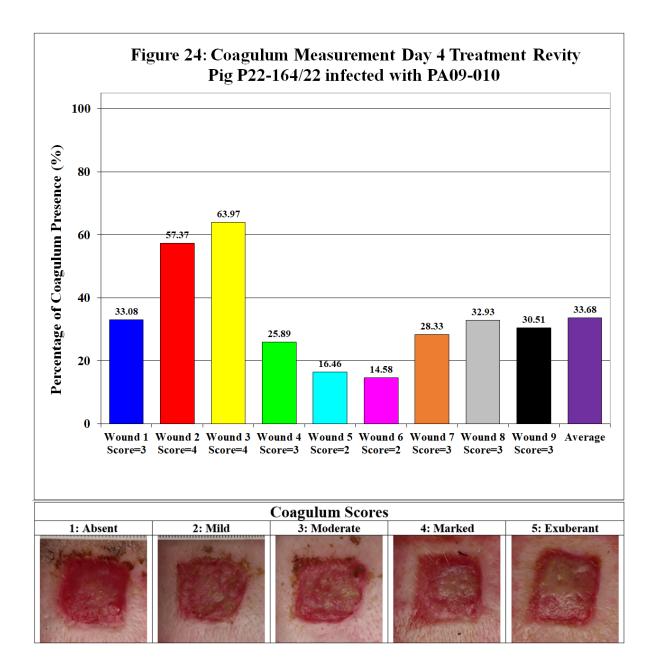
Figure 23 shows the total average (38.30%) for coagulum presence percentage in all wounds for pig P22-163/21. The coagulum scores ranged within 1 to 3, while the percentages measured were from 14.17 to 71.87%.



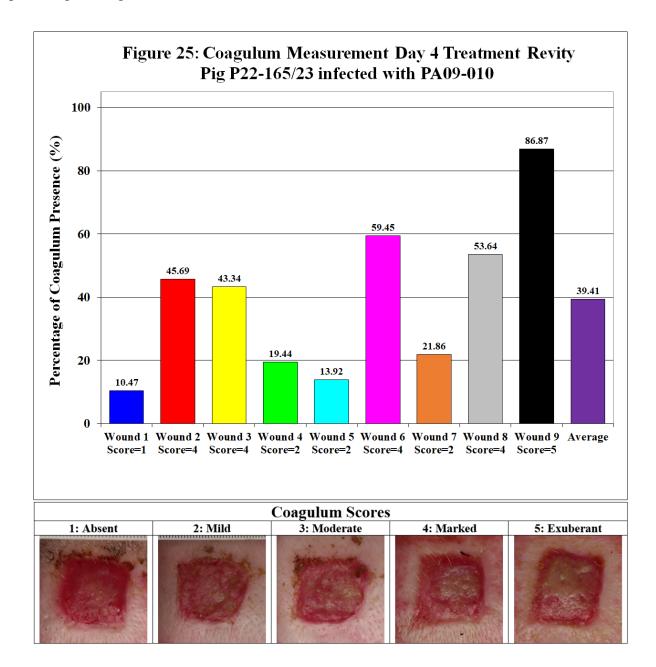
Pseudomonas aeruginosa PA09-010

Wounds measure for coagulum presence for pig P22-164/22 ranged from 14.58 to 63.97% as

shown in Figure 24. The scores ranged from 2 to 4 with a total % average of 33.68%.



Wounds being treated with Revity on day 4 for pig P22-165/23 infected with PA, exhibited coagulum scores from 1 to 5 and coagulum presences of 10.47 - 86.87% (Figure 25). The total percentage average was 39.41%.



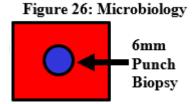
Erythema (redness)* – indicative of the amount of inflammation present* * Score: 1 = absent, 2 = mild, 3 = moderate, 4 = marked, 5 = exuberant

On Day 0 (after 72 hours of biofilm formation), all wounds for all animals in each treatment group exhibited mild erythema. On Day 4 till the end of the study there was no erythema observed on all the wounds for all animals (see Appendix 2: Figure E for examples).

Microbiology Assessment

On day 0 (72 hours after wound inoculation) three wounds were biopsied (6mm punch biopsy – see Figure 26 \rightarrow) to obtain baseline counts prior to treatment.

On Days 4, 8 and 11 (after treatment application and clinical observation) three wounds were biopsied for microbiology. The microbiology biopsies (6mm) were weighed and immediately placed in 1 mL of All Purpose Neutralizing Solution. The sample was combined with an additional 4 mL of Neutralizing Solution and homogenized in a sterile homogenization tube. Serial dilutions (Figure 27: photo a) were made from all culture samples and the extent of microbiological contamination assessed using the Spiral Plater System (Spiral Biotech, Norwood, MA – Figure 27: photo **b**). This system deposits a 50µl aliquot of the scrub bacterial suspension over the surface of a rotating agar plate. Oxacillin Resistance Screening Agar (ORSAB) was used to isolate MRSA USA300 (Figure 27: photo c1) and Pseudomonas Agar-base with CN supplement was used to isolate PA09-010 (Figure 27: photo c2). All plates were incubated aerobically overnight 24 hours to 48 hours at 37°C, after which the number of viable colonies were counted. This method has been used for over 34 years to evaluate the antimicrobial efficacy of various topical agents and/or dressings. 3,4,5,6,7,8,9,10



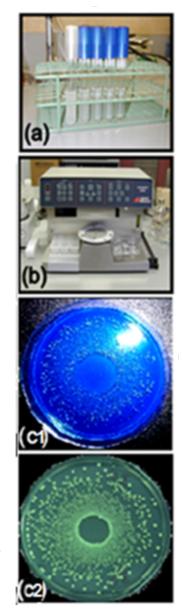


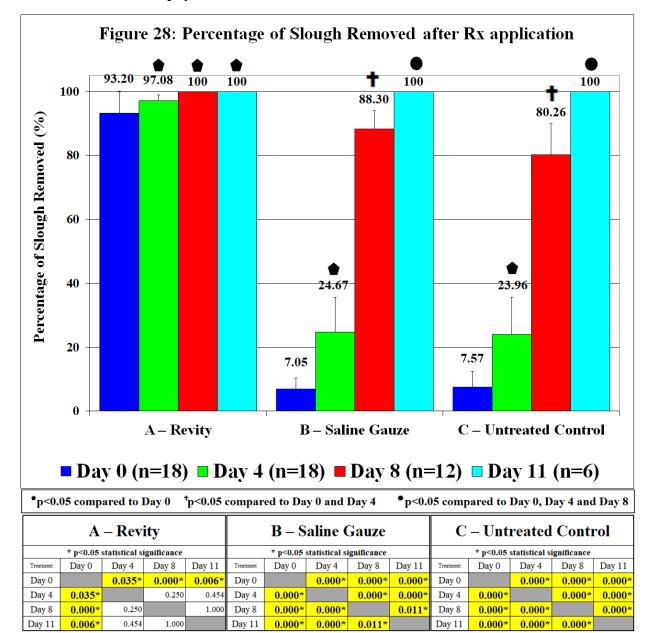
Figure 27: (a) Serial Dilutions. (b) Spiral Plater. (c) Specialized Media

RESULTS

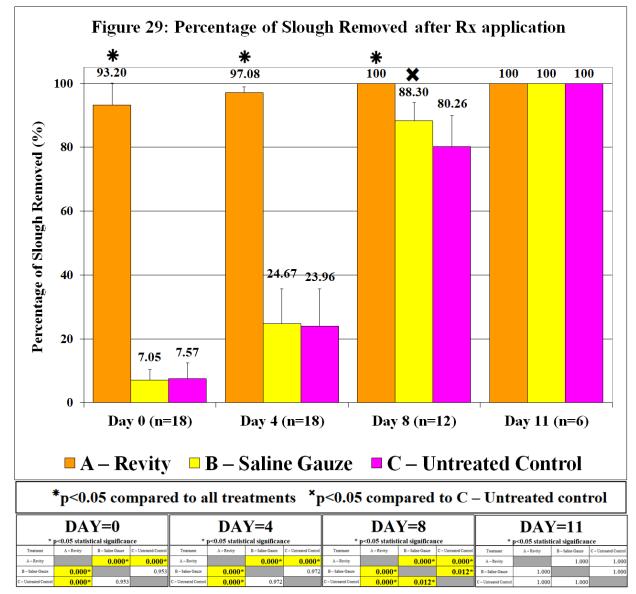
Slough Scoring

Slough was scored to determine any potential debridement caused by the treatments as shown above in Figure 20. The data was analyzed for significance using IBM SPSS statistics 26. Comparison of the means was analyzed using ANOVA (comparison between treatments and baseline). Appendix 3 contains the raw data and the statistical results.

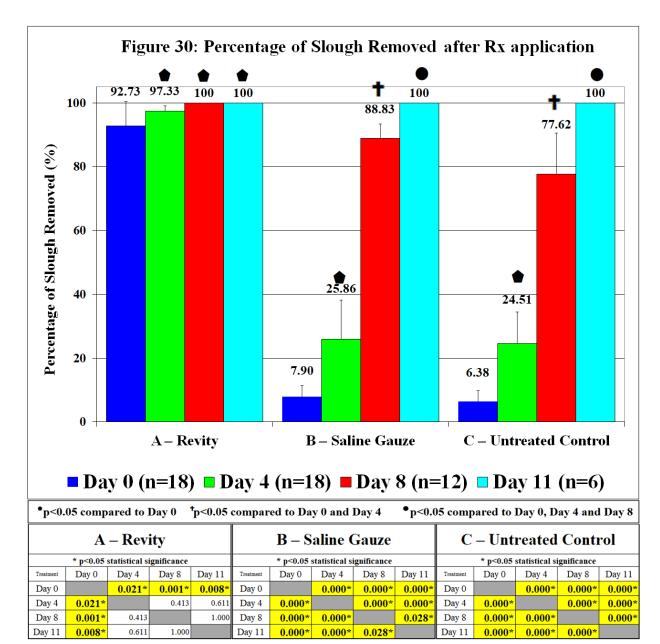
Methicillin Resistant Staphylococcus aureus MRSA USA300



Those wounds treated with Revity had significantly (p < 0.05) higher percentages on day 4, 8 and 11 than baseline wounds (day 0). Saline Gauze and Untreated Control had slightly similar results with both having less than 8% of slough removed on day 0 (Figure 28 above). By day 4, both groups had almost triple the amount of slough removed when compared to baseline wounds at 24.67 and 23.96%, respectively(with statistical significance when compared against day 4), By day 8, both groups exhibited significantly (p < 0.05) higher percentages than days 0 and 4. By the end of the study on day 11, both Saline Gauze and Untreated Control had significantly (p < 0.05) higher percentages than any of the previous timepoints (days 0, 4 and 8).

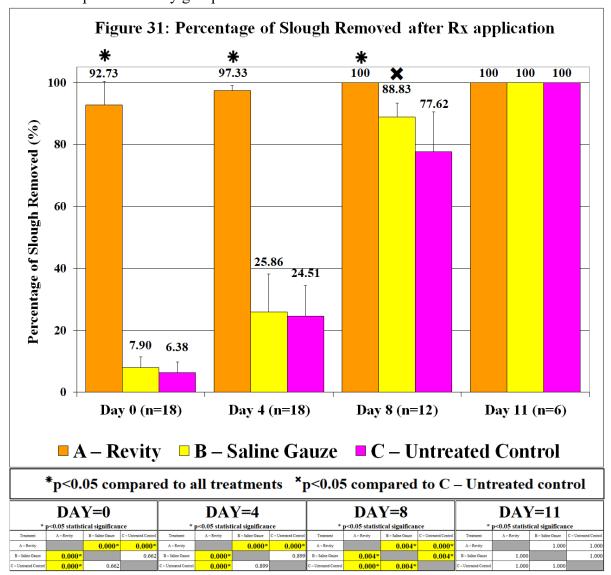


All wounds reached a full (100%) slough removal by the end of the study on day 11 as shown in Figure 29 above. However, Revity treated wounds showed statistically (p < 0.05) significant differences on both days 0, 4 and 8 by having substantially higher percentages than all other groups. On day 8, those wounds treated with Saline Gauze had a significantly (p < 0.05) higher percentage than those left untreated. On day 0 and 4, there was no statistical differences when comparing both Saline Gauze and Untreated Control.



Pseudomonas aeruginosa PA09-010

Those wounds treated with Revity showed significantly (p < 0.05) higher percentages on days 4, 8 and 11 when compared against day 0. Nonetheless, even on day 0 the slough removal was above 90%. On days 8 and 11, all wounds treated with Revity had 100% slough removed (Figure 30 above). Those wounds treated with Saline Gauze and left untreated did not reach values above 90% until the end of the study. On day 4, the slough removed by Saline Gauze and Untreated Control were significantly (p < 0.05) higher at 25.86 and 24.41% than on day 0 (7.90 and 6.38%, respectively). On day 8, both groups had significantly (p < 0.05) higher percentages than days 0 and 4. By day 11, all wounds infected with PA showed 100% slough removal, all being statistically (p < 0.05) higher than all previous timepoints in every group.



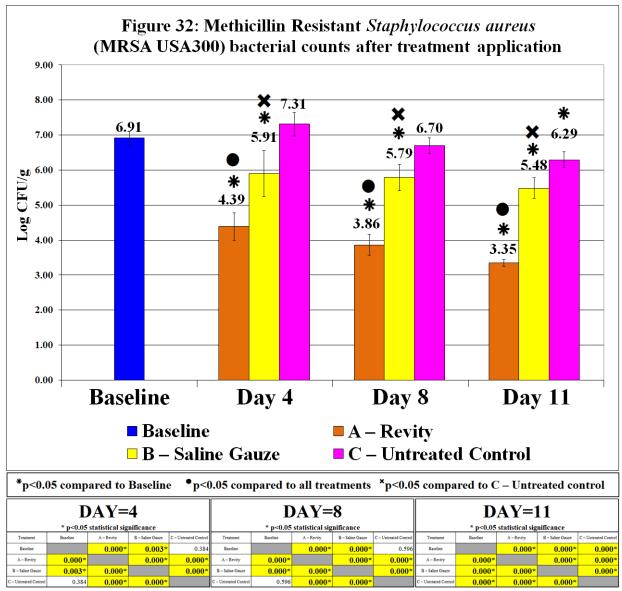
When comparing slough removal results between treatment groups, wounds treated with Revity exhibited significantly (p < 0.05) higher percentages than both Saline Gauze and Untreated Control on days 0, 4 and 8. By day 11, all wounds reached 100% slough removed as shown in Figure 31 above. On day 8, those wounds treated with Saline Gauze had a significantly (p < 0.05) higher percentage (88.83%) than those left untreated (77.62%).

Microbiology

After counting the colonies, the data from all two animals was tabulated and the Log of colony forming units/g (Log CFU/g) was determined. The mean of the Log (CFU/g) and standard deviations were calculated for each time and treatment. The Log CFU/g data was analyzed for significance using IBM SPSS statistics 26. Comparison of the means was analyzed using ANOVA (comparison between treatments and baseline). Appendix 4 contains the raw data and the statistical results.

Methicillin Resistant Staphylococcus aureus MRSA USA300 Counts

After three days of wound being inoculated with MRSA, baseline wounds were recovered with a bacterial count of $6.91\pm0.20 \text{ Log CFU/g}$. After four additional days (Day 4) those wound left untreated reached the highest MRSA counts for this study at 7.31 ± 0.34 Log CFU/g. While the wounds receiving either of the two treatment applications exhibited reduced counts on day 4. Those wounds treated with Revity had the lowest bacterial count on day 4 at 4.39 ± 0.39 Log CFU/g, which yields bacterial reductions of 99.70 and 99.88% when compared against baseline and untreated wounds, respectively. Revity wounds were significantly (p < 0.05) lower than all other groups. Wounds treated with Saline Gauze had a bacterial count of $5.91\pm0.66 \text{ Log CFU/g}$ (90.16 and 96.09% bacterial reductions when compared against baseline and Untreated Control, respectively). Saline Gauze wounds were significantly (p < 0.05) lower than baseline wounds and Untreated Control. When compared both treatment groups, there was a significant (p < 0.05) difference with those

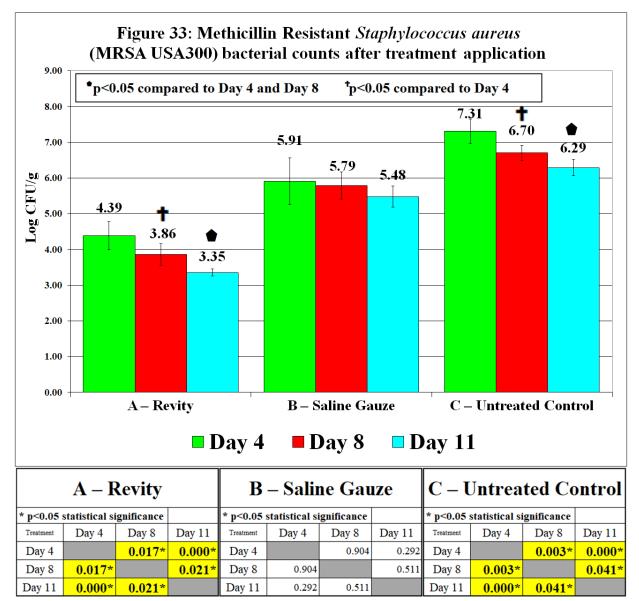


wounds treated with Revity having significant lower MRSA counts than Saline Gauze by 1.52±0.27 Log CFU/g (96.97% bacterial reduction).

On day 8, wounds left untreated had the highest Log CFU/g value at 6.70 ± 0.22 Log CFU/g as shown in Figure 32. Those wounds treated with Revity exhibited the lowest MRSA counts at 3.86 ± 0.30 Log CFU/g. These results were significantly (p < 0.05) lower than all other groups, which yields bacterial reductions of 99.91 and 99.86% when compared against baseline and untreated wounds, respectively. Saline Gauze treated wounds showed a bacterial count of 5.79 ± 0.38 Log CFU/g, having bacterial reductions of 92.52 and 87.88% when compared against baseline wounds

and Untreated Control, respectively. Saline Gauze wound were significantly (p < 0.05) lower than both baseline and untreated wounds. When comparing Revity versus Saline Gauze, a reduction of 1.93±0.08 Log CFU/g (98.81% bacterial reduction) was seen with Revity treated wounds.

By day 11, the highest bacterial count was shown by those wounds left untreated at 6.29 ± 0.23 Log CFU/g. When comparing against baseline wounds, Untreated Control was significantly (p < 0.05) lower. The same trend manifested in the previous two time points continued with Revity treated wounds having significantly (p < 0.05) lower MRSA counts than all other wounds at 3.35 ± 0.10 Log CFU/g. Since this was the lowest bacterial value in the entire study, the greatest bacterial reduction



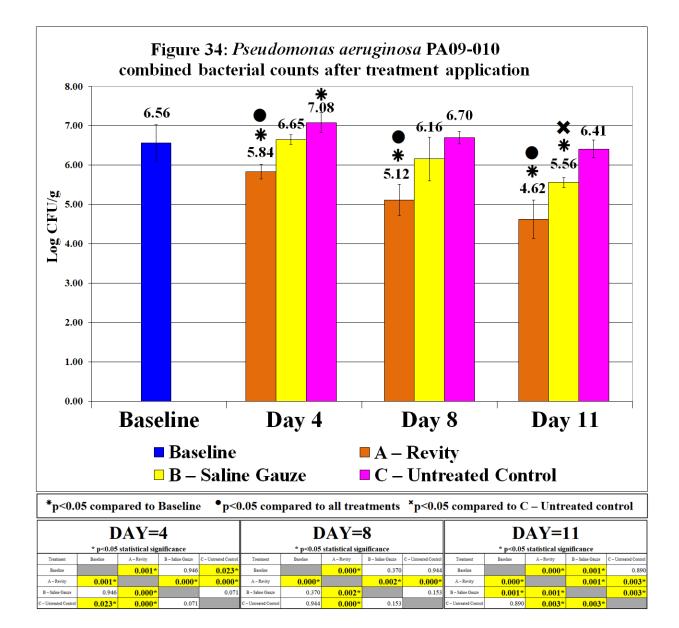
was expressed when comparing against both baseline wounds and Untreated Control at 99.97 and 99.88%, respectively. Those wounds treated with Saline Gauze were significantly (p < 0.05) lower than both baseline wounds and Untreated Control (bacterial reductions of 96.31 and 87.51%, respectively) at 5.48±0.29 Log CFU/g. When comparing Revity versus Saline Gauze results on the last timepoint, there was a bacterial difference of 2.13±0.20 Log CFU/g (99.25% bacterial reduction).

Further data analysis was performed to compared results at different timepoints within the same treatment group as shown above in Figure 33. Each group of wounds exhibited a similar trend by having bacterial reductions as days progressed. Those wounds treated with Revity showed the lowest MRSA counts for every timepoint when compared against the other treatment groups. When comparing day 4 versus day 8 results, there was a significant (p < 0.05) reduction with a bacterial difference of $0.53\pm0.09 \text{ Log CFU/g}$. On day 11, Revity treated wounds had the lowest Log CFU/g within the entire study. This value was significantly (p < 0.05) lower than both days 4 and 8. When comparing wounds treated with Saline Gauze, there is a slight reduction as days progress but these three values range within 5.48-5.91 Log CFU/g not having any statistical difference when comparing these results. Each of the results from those wounds left untreated were significantly (p < 0.05) higher than Revity and Saline Gauze in every timepoint. When compared Untreated Control results for day 4 versus day 8, those results from the latter timepoint were significantly (p < 0.05) lower. On day 11, the MRSA count was significantly (p < 0.05) lower than those results from both days 4 and 8.

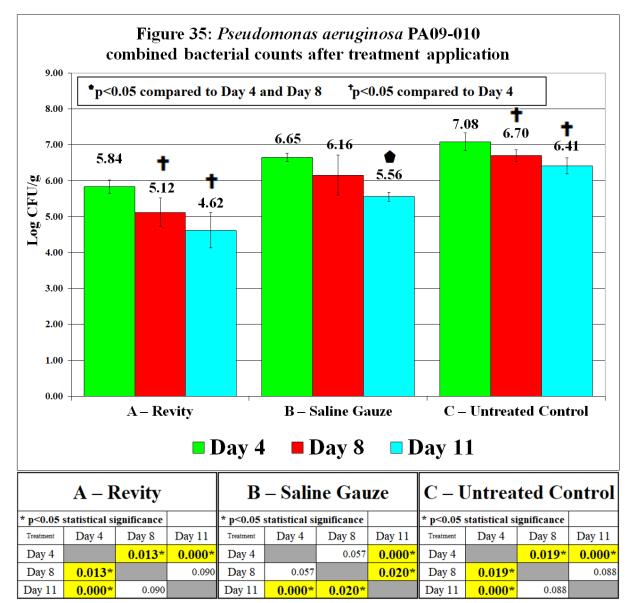
Pseudomonas aeruginosa PA09-010 Counts

Baseline wounds were recovered 72 hours after wounds being infected with *Pseudomonas aeruginosa* (PA), having a bacterial count of 6.56 ± 0.46 Log CFU/g as shown below in Figure 34. On day 4 after treatment application, those wounds left untreated reached bacterial counts significantly (p < 0.05) higher than the baseline wounds (7.08±0.25 Log CFU/g) and showing the highest value for

PA infected wounds for the entire study. Those wounds treated with Revity exhibited bacterial counts significantly (p < 0.05) lower than all other groups at 5.84±0.18 Log CFU/g. When compared against baseline wounds and Untreated Control, there were bacterial reductions of 81.14 and 94.29%, respectively. Saline Gauze treated wounds had a PA count of 6.65 ± 0.12 Log CFU/g, which was slightly similar to baseline results as shown in Figure 34. When compared against Revity treated wounds, there was a bacterial difference of 0.81 ± 0.06 Log CFU/g.



On day 8, those wounds from Untreated Control had similar counts to baseline wounds at $6.70\pm0.16 \text{ Log CFU/g}$. While those wounds treated with Revity exhibited a significantly (p < 0.05) lower bacterial count ($5.12\pm0.40 \text{ Log CFU/g}$) than all other groups. When compared against baseline and untreated wounds, there were bacterial reductions of 96.40 and 97.36%, respectively. Saline Gauze treated wounds showed a PA count of $6.16\pm0.56 \text{ Log CFU/g}$, which was slightly similar to bacterial counts for baseline and untreated wounds. There was more than a Log CFU/g as a bacterial difference ($1.04\pm0.16 \text{ Log CFU/g}$) when compared against Revity treated wounds, which yields a bacterial reduction of 90.86%.



Wounds left untreated reached lower bacterial counts than baseline wounds for the first time on day 11 at 6.41 ± 0.23 Log CFU/g. Those wounds treated with Revity exhibited the lowest PA value within the entire study at 4.62 ± 0.49 Log CFU/g. This value was significantly (p < 0.05) lower than all other groups. When compared against baseline and Untreated Control, there were bacterial reductions of 98.86 and 98.39%, respectively. Those wounds treated with Saline Gauze were significantly (p < 0.05) lower than both baseline and Untreated Control at 5.56 ± 0.13 Log CFU/g, having bacterial reductions of 90.06 and 85.97%, respectively. However, a bacterial difference of 0.94 ± 0.36 Log CFU/g was measured when comparing Saline Gauze against Revity treated wounds with a 88.49% bacterial reduction.

Figure 35 above shows results for each treatment group compared at different assessment days. Every treatment group showed to reduce their respective bacterial counts as days progressed. Those wounds treated with Revity exhibited the lowest PA presence in every timepoint. When comparing results from day 4 versus day 8, there was a statistical (p < 0.05) difference of 0.72 ± 0.22 Log CFU/g (80.91% PA reduction). Those wounds assessed on day 11 were also significantly (p < 0.05) lower than day 4, with a larger bacterial difference of 1.22 ± 0.31 Log CFU/g (93.93% bacterial reduction). Those wounds treated with Saline Gauze had significantly (p < 0.05) lower bacterial counts on day 11 when compared against both days 4 and 8. Days 4 and 8 did not show any other statistical differences when compared against any other timepoint. Those wounds left untreated showed the highest bacterial counts on every assessment day. Days 8 and 11 were significantly (p < 0.05) than the bacterial count from day 4.

CONCLUSIONS

For the microbiology analysis, wounds treated with Revity exhibited significantly better efficacy at reducing counts for both MRSA and PA when compared against Saline Gauze and Untreated Control. The onset slough removal in the early stages of wound infection is paramount to prevent acute wounds from developing into persistent chronic wounds. Revity provided significantly superior effective slough removal percentages as soon as day 0 when compared against Saline Gauze and Untreated Control for both pathogens.

This study confirms the ability of Revity to remove slough from infected wounds as well as its ability to reduce both gram positive and negative pathogens from wounds.

APPENDIX 1. Slough and Coagulum.

Table 1: Slough Observations

EPIEN N	fedical, Inc.		P21 226/27			
			MRSA USA300			
Slough -	degree of moist dev	vitalized tissue*				
* Score: 1	= absent, $2 = mild$,	3 = moderate, 4 = martinetering and the second se	ked, 5 = exuberant			
		Day 0		Day 4	Day 8	Day 11
Wounds	Treatment (Rx)	Slough (before wipe)	Slough (after wipe)	Slough	Slough	Slough
1	Baseline	5	N/A	N/A	N/A	N/A
2	Baseline	5	N/A	N/A	N/A	N/A
3	Baseline	5	N/A	N/A	N/A	N/A
1	Revity	5	2	2	1	N/A
2	Revity	5	2	2	1	N/A
3	Revity	5	2	1	1	N/A
4	Revity	5	2	1	1	1
5	Revity	5	2	1	1	1
6	Revity	5	2	1	1	1
7	Revity	5	2	1	N/A	N/A
8	Revity	5	2	1	N/A	N/A
9	Revity	5	2	2	N/A	N/A
1	Saline Irrigation	5	4	5	2	N/A
2	Saline Irrigation	5	3	5	2	N/A
3	Saline Irrigation	5	4	5	2	N/A
4	Saline Irrigation	5	4	3	1	1
5	Saline Irrigation	5	4	4	2	1
6	Saline Irrigation	5	4	5	3	1
7	Saline Irrigation	5	4	5	N/A	N/A
8	Saline Irrigation	5	4	5	N/A	N/A
9	Saline Irrigation	5	4	5	N/A	N/A
1	Untreated Control	5	4	5	N/A	N/A
2	Untreated Control	5	4	5	N/A	N/A
3	Untreated Control	5	4	2	N/A	N/A
4	Untreated Control	5	4	3	2	N/A
5	Untreated Control	5	4	5	4	1
6	Untreated Control	5	3	5	1	1
7	Untreated Control	5	3	5	2	1
8	Untreated Control	5	3	5	2	N/A
9	Untreated Control	5	4	5	3	N/A

EPIEN M	Iedical, Inc.		P22 163/21			
			MRSA USA300			
Slough -	degree of moist dev	vitalized tissue*				
* Score: 1	= absent, 2 = mild,	3 = moderate, 4 = mar	ked, 5 = exuberant			
		Day 0		Day 4	Day 8	Day 11
Wounds	Treatment (Rx)	Slough (before wipe)	Slough (after wipe)	Slough	Slough	Slough
1	Baseline	5	N/A	N/A	N/A	N/A
2	Baseline	5	N/A	N/A	N/A	N/A
3	Baseline	5	N/A	N/A	N/A	N/A
1	Revity	5	1	1	1	N/A
2	Revity	5	1	2	1	N/A
3	Revity	5	1	2	2	1
4	Revity	5	1	2	2	1
5	Revity	5	1	3	1	1
6	Revity	5	1	3	2	N/A
7	Revity	5	1	2	N/A	N/A
8	Revity	5	1	3	N/A	N/A
9	Revity	5	1	3	N/A	N/A
1	Saline Irrigation	5	5	3	4	N/A
2	Saline Irrigation	5	5	4	4	N/A
3	Saline Irrigation	5	5	4	4	3
4	Saline Irrigation	5	5	4	4	3
5	Saline Irrigation	5	5	5	4	3
6	Saline Irrigation	5	5	5	4	N/A
7	Saline Irrigation	5	5	5	N/A	N/A
8	Saline Irrigation	5	5	5	N/A	N/A
9	Saline Irrigation	5	5	5	N/A	N/A
1	Untreated Control	5	5	5	4	3
2	Untreated Control	5	5	5	2	1
3	Untreated Control	5	5	5	2	N/A
4	Untreated Control	5	5	5	N/A	N/A
5	Untreated Control	5	5	5	N/A	N/A
6	Untreated Control	5	5	5	3	2
7	Untreated Control	5	5	5	3	N/A
8	Untreated Control	5	5	5	3	N/A
9	Untreated Control	5	5	5	N/A	N/A

EPIEN N	Iedical, Inc.		P22 164/22			
			PA 09-010			
Slough -	degree of moist dev	vitalized tissue*				
* Score: 1	= absent, 2 = mild,	3 = moderate, 4 = mar	ked, 5 = exuberant			
		Day 0		Day 4	Day 8	Day 11
Wounds	Treatment (Rx)	Slough (before wipe)	Slough (after wipe)	Slough	Slough	Slough
1	Baseline	5	N/A	N/A	N/A	N/A
2	Baseline	5	N/A	N/A	N/A	N/A
3	Baseline	5	N/A	N/A	N/A	N/A
1	Revity	5	1	3	1	N/A
2	Revity	5	1	2	1	N/A
3	Revity	5	1	2	1	1
4	Revity	5	1	2	1	1
5	Revity	5	1	2	1	1
6	Revity	5	1	2	1	N/A
7	Revity	5	1	3	N/A	N/A
8	Revity	5	1	3	N/A	N/A
9	Revity	5	1	3	N/A	N/A
1	Saline Irrigation	5	5	5	3	N/A
2	Saline Irrigation	5	5	5	3	N/A
3	Saline Irrigation	5	5	5	1	1
4	Saline Irrigation	5	5	5	1	1
5	Saline Irrigation	5	5	3	3	1
6	Saline Irrigation	5	5	3	3	N/A
7	Saline Irrigation	5	5	5	N/A	N/A
8	Saline Irrigation	5	5	3	N/A	N/A
9	Saline Irrigation	5	5	5	N/A	N/A
1	Untreated Control	5	5	5	2	1
2	Untreated Control	5	5	4	2	1
3	Untreated Control	5	5	5	3	N/A
4	Untreated Control	5	5	4	N/A	N/A
5	Untreated Control	5	5	5	N/A	N/A
6	Untreated Control	5	5	5	2	2
7	Untreated Control	5	5	5	2	N/A
8	Untreated Control	5	5	5	3	N/A
9	Untreated Control	5	5	5	N/A	N/A

EPIEN M	Iedical, Inc.		P22 165/23				
			PA 09-010				
Slough -	degree of moist dev	vitalized tissue*					
* Score: 1	= absent, 2 = mild,	3 = moderate, 4 = mar	ked, 5 = exuberant				
		Day 0		Day 4	Day 8	Day	11
Wounds	Treatment (Rx)	Slough (before wipe)	Slough (after wipe)	Slough	Slough	Slou	gh
1	Baseline	5	N/A	N/A	N/A	N/A	
2	Baseline	5	N/A	N/A	N/A	N/A	
3	Baseline	5	N/A	N/A	N/A	N/A	
1	Revity	5	1	1	1	N/A	
2	Revity	5	1	2	1	N/A	
3	Revity	5	1	1	1		1
4	Revity	5	1	1	1		1
5	Revity	5	1	1	1	N/A	
6	Revity	5	1	2	N/A	N/A	
7	Revity	5	1	1	1		1
8	Revity	5	1	2	N/A	N/A	
9	Revity	5	1	2	N/A	N/A	
1	Saline Irrigation	5	4	4	2	N/A	
2	Saline Irrigation	5	5	4	2	N/A	
3	Saline Irrigation	5	5	4	3	N/A	
4	Saline Irrigation	5	5	4	3		2
5	Saline Irrigation	5	5	4	3		2
6	Saline Irrigation	5	5	4	N/A	N/A	
7	Saline Irrigation	5	5	4	2	,	1
8	Saline Irrigation	5	4	4	N/A	N/A	
9	Saline Irrigation	5	4	4	N/A	N/A	
1	Untreated Control	5	5	3	2	,	1
2	Untreated Control	5	5	3	3	N/A	
3	Untreated Control	5	5	5	4		3
4	Untreated Control	5	5	3	N/A	N/A	
5	Untreated Control	5	5	5	2	N/A	
6	Untreated Control	5	5	5	2	N/A	
7	Untreated Control	5	5	5	2	,	1
8	Untreated Control	5	5	5	N/A	N/A	
9	Untreated Control	5	5	5	N/A	N/A	

Raw Data for Coagulum Measurements infected with MRSA USA300

Pig #1	P21-226/27

	DAY 4													
Treatment	Wounds		Area	Total		Area Total (cm2)	Treatment			Coagulu	m Area		Area of Coagulum (cm2)	Percentage of Coagulum
A	1	328840	7.364	0	255	57.55	A	1	45737	7.616	0	255	8.00	13.9
A	2	376168	23.136	0	255	65.83	A	2	125008	7.616	0	255	21.88	33.2
A	3	334987	0.039	0	255	58.63	A	1	46533	0.039	0	255	8.14	13.8
A	4	441296	8.087	0	255	77.23	A	4	12612	7.616	0	255	2.21	2.8
A	5	494298	2.548	0	255	86.51	A	5	9625	7.616	0	255	1.68	1.9
A	6	418662	4.285	0	255	73.27	A	6	73233	7.616	0	255	12.82	17.4
A	7	504628	6.392	0	255	88.32	A	7	76689	7.616	0	255	13.42	15.2
A	8	708492	6.927	0	255	124.00	A	8	504325	7.616	0	255	88.26	71.1
A	9	593196	8.943	0	255	103.82	A	9	478196	7.616	0	255	83.69	80.6
														Average of percentage
														27.81

Pig #2 P22-163/21

	DAY 4													
Treatment	Wounds	Area Total				Area Total (cm2)	Treatment			Coagulu	um Area		Area of Coagulum (cm2)	Percentage of Coagulum
A	1	415518	7.364	0	255	72.72	A	1	58881	4.318	0	255	10.30	14.17
A	2	564892	23.136	0	255	98.86	A	2	116553	0.339	0	255	20.40	20.63
A	3	637986	0.039	0	255	111.66	A	3	258679	0.32	0	255	45.27	40.55
A	4	546694	8.087	0	255	95.68	A	4	236546	0.207	0	255	41.40	43.27
A	5	514377	2.548	0	255	90.02	A	5	118440	0.056	0	255	20.73	23.03
A	6	438662	4.285	0	255	76.77	A	6	211809	0.299	0	255	37.07	48.29
A	7	482628	6.392	0	255	84.47	A	7	346847	0	0	0	60.70	71.87
A	8	698492	6.927	0	255	122.25	A	8	293730	0	0	0	51.41	42.05
A	9	603196	8.943	0	255	105.57	A	9	246371	0	0	0	43.12	40.84
														Average of percentage
														38.30

Raw Data for Coagulum Measurements infected with PA09-010

							D	AY 4						
reatment Wounds Area Total Area Total (cm2) Treatment Coagulum Area Area of Coagulum (cm2)												Percentage of Coagulun		
A	1	416341	7.364	0	255	5 72.87	A	1	137729	0.42	0	255	24.10	33.0
A	2	382028	23.136	0	255	66.86	A	2	219164	6.594	0	255	38.36	57.3
A	3	422587	0.039	0	255	5 73.96	A	3	270329	17.58	0	255	47.31	63.9
A	4	395696	8.087	0	255	69.25	A	4	102450	254.208	0	255	17.93	25.8
A	5	489598	2.548	0	255	85.69	A	5	80606	248.762	0	255	14.11	16.4
A	6	899562	4.285	0	255	5 157.44	A	6	131161	214.1	0	255	22.95	14.5
A	7	515628	6.392	0	255	90.24	A	7	146061	3.724	0	255	25.56	28.3
A	8	695692	6.927	0	255	5 121.76	A	8	229077	246.208	0	255	40.09	32.9
A	9	632596	8.943	0	255	5 110.71	A	9	192988	249.503	0	255	33.78	30.5
														Average of percentage
														33.68

Pig #2 P22-165/23

	DAY 4													
Treatment	Wounds	Area Total				Area Total (cm2)	Treatment			Coagulu	ım Area		Area of Coagulum (cm2)	Percentage of Coagulum
A	1	637986	7.364	0	255	111.66	A	1	66801	0	0	0	11.69	10.47
A	2	504628	23.136	0	255	88.32	A	2	230589	254.872	0	255	40.36	45.69
A	3	334987	0.039	0	255	58.63	A	3	145170	255	255	255	25.41	43.34
A	4	514377	8.087	0	255	90.02	A	4	100015	255	255	255	17.50	19.44
A	5	564892	2.548	0	255	98.86	A	5	78623	0	0	0	13.76	13.92
A	6	482628	4.285	0	255	84.47	A	6	286944	0.482	0	255	50.22	59.45
A	7	593196	6.392	0	255	103.82	A	7	129663	253.702	0	255	22.69	21.86
A	8	441296	6.927	0	255	77.23	A	8	236728	0.019	0	255	41.43	53.64
A	9	361028	8.943	0	255	63.18	A	9	313611	0.763	0	255	54.89	86.87
														Average of percentage
														39.41

Table 2: Coagulum Observations for P21 226/27 on Day 4 (from report on 01-15-2022)

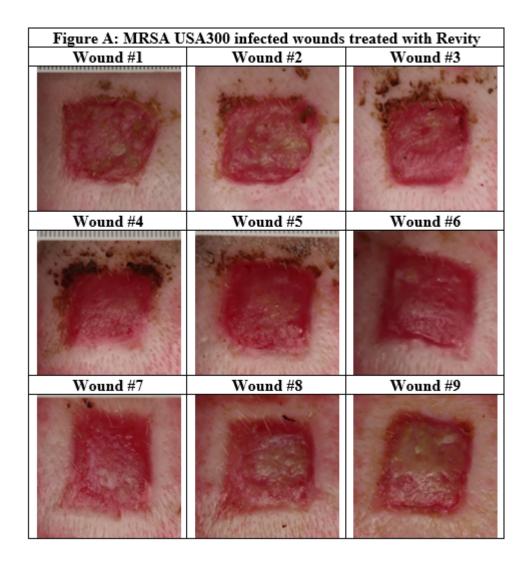


Table 3: Coagulum Observations for P22 163/21 on Day 4

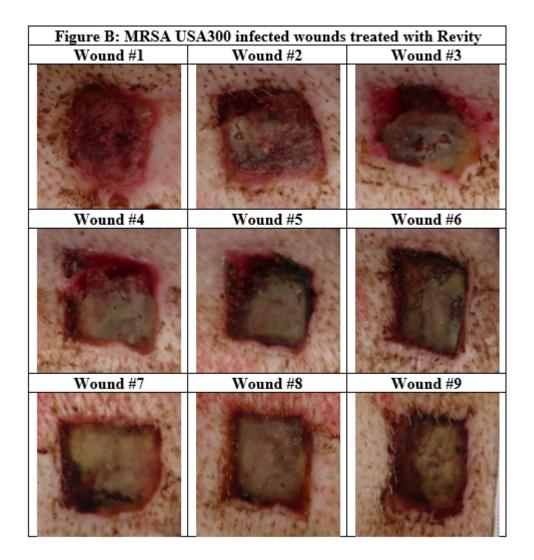


Table 4: Coagulum Observations for P22 164/22 on Day 4

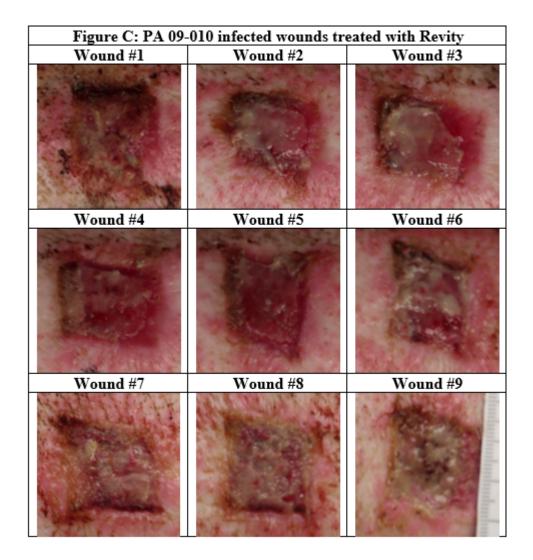


Table 5: Coagulum Observations for P22 165/23 on Day 4

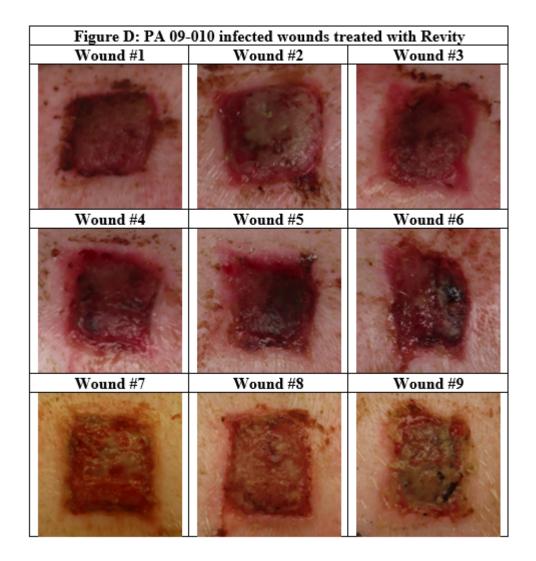


	Figure E:	Erythema Compari	son
	Revity	Saline Irrigation	Untreated Control
Day 0			
Day 4			
Day 8	States .		

APPENDIX 2. Erythema and bleeding Observations as examples for all animals



								DAY 0)						
reatment	Pig#	Wounds		Before	Wiping		Area Total (cm2)	Treatment			After \	Viping		Area of Slough (cm2)	Percentage Remove
		1	1249789	0.109	0	255	218.73	A	1	357283	7.616	0	255	62.53	71
	-	2	1068535	0.026	0	255		A	2	197266	7.616	0	255	34.52	81
		3	1505811	0.081	0	255	263.54	A	3	103370	7.616	0	255	18.09	93
		4		0.04	0	255	242.43	A	4	27096	7.616	0	255	4.74	98
	Pig#1	5		0.07	0	255	222.55	A	5	42551	7.616	0	255	7.45	96
	-	6	950560 815377	0.051	0	255 255	166.36 142.70	A	6	25487 92210	7.616	0	255 255	4.46	97
		8		2.649	0	255	142.70	A	8	28003	7.616	0	255	4.90	96
	1	9		2.049	0	255	105.52	A	9	44279	7.616	0	255	7.75	92
		1		1.501	0	255	174.76	A	1	15674	0.992	0	255	2.74	98
	1	2	853319	0.234	0	255	149.34	A	2	11973	0.596	0	255	2.10	98
	1	3	839719	1.99	0	255	146.96	A	3	55768	0.462	0	255	9.76	9
	1	4		241.236	0	255	116.16	A	4	20711	0.259	0	255	3.62	9
	Pig#2	5		244.815	0	255		A	5	30874	170.085	0	255	5.40	9
	Ŭ	6	409218	174.614	0	255	71.62	A	6	17323	128.449	0	255	3.03	9
	1	7	763752	55.661	0	255	133.67	A	7	63834	0.172	0	255	11.17	9
	1	8	572316	0.062	0	255	100.16	A	8	9897	0.232	0	255	1.73	98
	1	9	466047	2.156	0	255	81.56	A	9	33656	0.212	0	255	5.89	9
															Average of percent
															93.2
								DAY 0)						
aatmant	Diat	Wounds		Deferel	Mining		Area Total (cm2)	Treatment			Aftor	Vining		Area of Slough (cm2)	Porcontago Romov
eatment	Pig#	wounds 1	1667689	Before 0.751	wiping 0	255		B	1	1516807	After \ 7.616	Viping 0	255	Area of Slough (cm2) 265.46	Percentage Remov
		2	1475199	0.003	0	255	258.18		2	1310807	7.616	0	255	242.53	
	-	3	1677914	0.003	0	255	293.66		2	1561679	7.616	0	255	273.31	
		4		0.113	0	255	279.29		4	1509849	7.616	0	255	264.24	
	Pig#1	5	1172993	0.228	0	255	205.29	B	5	1076840	7.616	0	255	188.46	
		6		0.02	0	255	231.01	-	6	1267036	7.616	0	255	221.75	
	1	7		2.792	0	255	170.48		7	931140	7.616	0	255	162.96	
		8		20.113	0	255	167.14		8	917616	7.616	0	255	160.60	3
	1	9		4.213	0	255		В	9	916565	0.951	0	255	160.41	14
		1	805314	2.034	0	255	140.94	В	1	742096	7.616	0	255	129.88	-
	1	2		20.602	0	255	216.99		2	1187865	7.616	0	255	207.89	
	1	3	1220819	3.601	0	255	213.66	В	3	1118028	7.616	0	255	195.67	1
	1	4	1525430	0.135	0	255	266.97	В	4	1363422	7.616	0	255	238.62	1
	Pig#2	5	1354327	0.015	0	255	237.03	В	5	1286315	7.616	0	255	225.12	
		6	1027077	18.677	0	255	179.75	В	6	890608	7.616	0	255	155.87	1
		7	1004056	8.542	0	255	175.72	В	7	939143	7.616	0	255	164.36	
		8	916014	18.962	0	255	160.31	В	8	865541	7.616	0	255	151.48	
		9	1030487	17.499	0	255	180.35	В	9	1002929	0.951	0	255	175.53	Average of percent
															7.0
								DAY 0							7.0
eatment	Pig#	Wounds		Before	Wining		Area Total (cm2)	Treatment	,		After \	Vining		Area of Slough (cm2)	Percentage Remov
cannellt	. 1617	1 vounus	765868	0.256	0 viping	255	134.04	C	1	641054	7.616	0 O	255	112.19	Percentage Keniov
	1	2		3.313	0	255		c	2	675015	7.616	0	255	112.19	1
	1	3	853698	0.002	0	255	129.20	<u>c</u>	3	797849	7.616	0	255	139.63	
	1	4		0.002	0	255	132.27	<u>c</u>	4	713443	7.616	0	255	124.86	
	Pig#1	5		0.001	0	0	152.27	- c	-4	789760	7.616	0	255	138.22	
	3	6		0.02	0	255	231.01	с	6	1294470	7.616	0	255	226.55	
	1	7	863575	0.016	0	255	151.14	с	7	791095	7.616	0	255	138.45	
	1	8		2.178	0	255	114.85	с	8	616546	7.616	0	255	107.90	
	1	9		1.718	0	255	101.83	с	9	463114	7.616	0	255	81.05	2
	l	1		25.56	0	255	86.22		1	448549	7.616	0	255	78.50	
	1	2		14.416	0	255	93.34		2	466370	7.616	0	255	81.62	
	1	3		0.195	0	255	161.15	с	3	860347	7.616	0	255	150.57	
]	4		0.206	0	255	98.33	с	4	526977	7.616	0	255	92.23	
	Pig#2	5	541302	8.497	0	255	94.74	С	5	507897	7.616	0	255	88.89	
]	6	1100552	0.261	0	255	192.61	С	6	1064888	7.616	0	255	186.37	
]	7		5.937	0	255	231.17	с	7	1282081	7.616	0	255	224.38	
	1	8	1202204	11.664	0	255	210.40	С	8	1154307	7.616	0	255	202.02	
								<u> </u>		C 47007	7 646	0		112.20	
		9	662393	0.298	0	255	115.93	L	9	647297	7.616	U	255	113.29	
		9	662393	0.298	0	255	115.93	L	9	647297	7.616	U	255	113.29	Average of percen

APPENDIX 3. Slough Removed Percentage analysis – Raw Data and Statistical Analysis

A X	98. 99. 98. 97. 93. 92. 98. 97. 95. 98. 97. 98. 97. 98. 97. 98. 97.	2.21 2.31 1.29 1.16 0.63 1.00 2.00 8.43 8.06 0.98 2.81 4.93 1.71 2.14	255 255 255 255 255 255 255 255 255 0 0 255	0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.616 7.616 0.039 7.616 7.616 7.616 7.616	13199 7386 6616 3626 5713	2 1 4	A	. ,		Wining						
A A A 2 81388 C 2 31398 76.56 0.025 58.66 Å 1 77.86 0.025 1.1 A Pigt 3 3 46007 0.255 77.23 Å 4 6016 7.618 0 225 0.10 A 1 5 45220 0.255 77.23 Å 4 6016 7.618 0 225 0.0 A 1 5 4520 0 225 7.723 Å 6 67.733 7.618 0 225 0.0 0 0 0 0 0 0 0.0 0 0.0 0	96. 97. 98. 99. 98. 97. 93. 92. 98. 97. 98. 97. 98. 97. 98. 97. 98. 97.	2.31 1.29 1.16 0.63 1.00 2.00 8.43 8.86 0.98 2.81 4.93 1.71 2.14	255 255 255 255 255 255 255 255 255 0 0 255	0 0 0 0 0 0 0 0 0 0	7.616 0.039 7.616 7.616 7.616 7.616	13199 7386 6616 3626 5713	2 1 4	A	60.61		wiping .	Before		Wounds	Pig#	Treatment	
A A A B 33867 0.039 0 255 58.63 1 1 2886 0.035 0 255 1.1 A 6 41256 8.07 0 255 7.12 A 4 6 6 0 255 1.0 A - 5 94.288 2.268 0 255 7.22 A 6 57.37 A 8 4 20.07 7.616 0 2.55 1.43 A 1 3.558 A 2 1.557 A 2.10 A 4 1.030 7.616 0 2.55 1.01 A 1 4.558 A 7 <th>97. 98. 999. 98. 97. 93. 92. 98. 97. 95. 98. 97. 95. 98. 97. 97. 98. 97. 98. 97.</th> <th>1.29 1.16 0.63 1.00 2.00 8.43 8.06 0.98 2.81 4.93 1.71 2.14</th> <th>255 255 255 255 255 255 255 255 0 255</th> <th>0 0 0 0 0 0 0 0</th> <th>0.039 7.616 7.616 7.616 7.616</th> <th>7386 6616 3626 5713</th> <th>1</th> <th></th> <th></th> <th>255</th> <th>0</th> <th>0.11</th> <th>346341</th> <th>1</th> <th></th> <th>A</th>	97. 98. 999. 98. 97. 93. 92. 98. 97. 95. 98. 97. 95. 98. 97. 97. 98. 97. 98. 97.	1.29 1.16 0.63 1.00 2.00 8.43 8.06 0.98 2.81 4.93 1.71 2.14	255 255 255 255 255 255 255 255 0 255	0 0 0 0 0 0 0 0	0.039 7.616 7.616 7.616 7.616	7386 6616 3626 5713	1			255	0	0.11	346341	1		A	
A PigH1 4 441258 8.07 0 255 77.23 4 4 6502 7.656 0 255 10.0 A 5 34588 2.548 0.255 58.51,A 6 57.56 0 255 10.0 0 0.0 0 255 10.0 0 255 12.0 0.0 0 255 12.0 0.0 0 255 12.0 0.0 0	98. 99. 98. 97. 93. 92. 98. 97. 95. 98. 97. 98. 97. 98. 97. 98. 97.	1.16 0.63 1.00 2.00 8.43 8.06 0.98 2.81 4.93 1.71 2.14	255 255 255 255 255 255 255 0 255	0 0 0 0 0 0	7.616 7.616 7.616 7.616	6616 3626 5713	4									4	
N Pigrt 6 49458 2.548 0 2.55 7.27A 6 5.326 7.616 0 2.55 10.0 N 9 544628 6.387 0 2.55 7.27A 6 5.73 7.66 0 2.55 10.0 N 9 543428 6.387 0 2.55 10.20 A 8 42488 7.656 0 2.55 10.0 N 9 531358 8.494 0 2.55 10.0 0 <t< td=""><td>99. 98. 97. 93. 92. 98. 97. 95. 98. 97. 98. 97. 98. 97. 98. 97. 98.</td><td>0.63 1.00 2.00 8.43 8.06 0.98 2.81 4.93 1.71 2.14</td><td>255 255 255 255 255 255 0 255</td><td>0 0 0 0 0</td><td>7.616 7.616 7.616</td><td>3626 5713</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td>4</td></t<>	99. 98. 97. 93. 92. 98. 97. 95. 98. 97. 98. 97. 98. 97. 98. 97. 98.	0.63 1.00 2.00 8.43 8.06 0.98 2.81 4.93 1.71 2.14	255 255 255 255 255 255 0 255	0 0 0 0 0	7.616 7.616 7.616	3626 5713								-		4	
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								DAY 8							
Freatment	Pig#	Wounds		Before W	iping		Area Total (cm2)	Treatment			After V	Viping		Area of Slough (cm2)	Percentage Remove
		1	532268	0.003	0	255	93.15	A	1	532268	0.003	0	255	93.15	100
		2	446852	0.001	0	255	70.21	A	2	446852	0.001	0	255	78.21	100
	Pig#1	3	449672	0.059	0	255	78.70	A	3	449672	0.059	0	255	78.70	100
	1.184.1	4	549111	0.051	0	255	96.10	A	4	549111	0.051	0	255	96.10	100
		5	536969	0.022	0	255	93.98	A	5	536969	0.022	0	255	93.98	10
		6	397574	0.838	0	255	69.58	A	6	397574	0.838	0	255	69.58	10
		1	492268	0.003	0	255	86.15	A	1	492268	0.003	0	255	86.15	10
		2	536852	0.001	0	255		A	2	536852	0.001	0	255	93.96	10
i i	Pig#2	3	485672	0.059	0	255	85.00		3	485672	0.059	0	255	85.00	10
1		4	522111	0.051	0	255	91.38		4	522111	0.051	0	255	91.38	10
\ \		5	512969	0.022	0	255	89.78		5	512969	0.022	0	255	89.78	10
		6	422574	0.838	0	255	73.96	A	6	422574	0.838	0	255	73.96	10 Average of percent
															100.0
								DAY 8							
reatment	Pig#	Wounds		Before W	iping		Area Total (cm2)	Treatment			After V	Viping		Area of Slough (cm2)	Percentage Remove
		1	593811	0.079	0	255	103.92	В	1	53175	7.616	0	255	9.31	9
		2	582642	0.019	0	255	101.97	В	2	83705	7.616	0	255	14.65	8
	Pig#1	3	684100	0.103	0	255	119.73	В	3	138802	7.616	0	255	24.29	7
	Pig#1	4	585099	4.845	0	255	102.40	В	4	15131	0.522	0	255	2.65	9
		5	345806	16.705	0	255		В	5	32252	7.616	0	255	5.64	9
		6	435342	20.205	0	255	76.19	В	6	72837	7.616	0	255	12.75	8
		1	611811	0.079	0	255	107.08	В	1	52875	7.616	0	255	9.25	9
		2	574642	0.019	0	255	100.57	В	2	80805	7.616	0	255	14.14	8
	Pig#2	3	635100	0.103	0	255	111.15	В	3	99802	7.616	0	255	17.47	8
	11572	4	562099	4.845	0	255		В	4	19431	0.522	0	255	3.40	9
5		5	431806	16.705	0	255	15.51	В	5	36252	7.616	0	255	6.34	9
		6	389342	20.205	0	255	68.14	В	6	69537	7.616	0	255	12.17	8
															Average of percent
															88.3
								DAY 8							
reatment	Pig#	Wounds		Before W	iping		Area Total (cm2)	Treatment			After V	Viping		Area of Slough (cm2)	Percentage Remove
		4	284845	36.995	0	255	49.85	с	4	46691	7.616	0	255	8.17	8
	_	5	559103	0.082	0	255	97.85	с	5	102878	7.616	0	255	18.01	8
	Pig#1	6	610746	0.067	0	255	106.89	с	6	55606	0.055	0	255	9.73	9
	11571	7	829404	0.018	0	255	145.16	с	7	204104	7.616	0	255	35.72	7
		8	736145	0.001	0	255	128.84		8	243629	7.616	0	255	42.64	6
		9	477736	0.015	0	255	83.61	-	9	119869	7.616	0	255	20.98	7
		4	2665845	36.995	0	255	466.56	-	4	46691	7.616	0	255	8.17	9
		5	573103	0.082	0	255	100.30		5	102878	7.616	0	255	18.01	8
	Pig#2	6	648746	0.067	0	255	113.54	С	6	55606	0.055	0	255	9.73	9
		7	799404	0.018	0	255	139.91	С	7	204104	7.616	0	255	35.72	7
	4	8	756145	0.001	0	255	132.34	-	8	243629	7.616	0	255	42.64	6
		9	495736	0.015	0	255	86.76	С	9	119869	7.616	0	255	20.98	7
															Average of percent
															80.2

								DAY 1	1						
Treatment	Pig#	Wounds		Before	Wiping		Area Total (cm2)	Treatment			After Wipi	ng		Area of Slough (cm2)	Percentage Removed
A		4	382025	0.007	0	255	66.86	A	4	382025	7.616	0	255	66.86	
A	Pig#1	5	398952	0.056	0	255	69.82	A	5	398952	7.616	0	255	69.82	100.00
A	-	6	259953	0.023	0	255	45.50	A	6	259953	7.616	0	255	45.50	100.00
A		4	372025	0.007	0	255	65.11	A	4	372025	7.616	0	255	65.11	100.00
A	Pig#2	5	418952	0.056	0	255	73.32	A	5	418952	7.616	0	255	73.32	100.00
A		6	262953	0.023	0	255	46.02	A	6	262953	7.616	0	255	46.02	100.00
															Average of percentage
															100.00
								DAY 1	1						
Treatment	Pig#	Wounds		Before	Wiping		Area Total (cm2)	Treatment			After Wipi	ng		Area of Slough (cm2)	Percentage Removed
В		4	568793	0.015	0	255	99.55	В	4	568793	7.616	0	255	99.55	100.00
В	Pig#1	5	622974	0.021	0	255	109.03	В	5	622974	7.616	0	255	109.03	100.00
В		6	750671	0	0	0	131.38	В	6	750671	7.616	0	255	131.38	100.00
В		4	568793	0.015	0	255	99.55	В	4	568793	7.616	0	255	99.55	100.00
В	Pig#2	5	586974	0.021	0	255	102.73	В	5	586974	7.616	0	255	102.73	100.00
В		6	685671	0	0	0	120.00	В	6	685671	7.616	0	255	120.00	100.00
															Average of percentage
															100.00
								DAY 1	1						
Treatment	Pig#	Wounds		Before	Wiping		Area Total (cm2)	Treatment			After Wipi	ng		Area of Slough (cm2)	Percentage Removed
С		4	196671	1.163	0	255	34.42	с	4	196671	7.616	0	255	34.42	100.00
C	Pig#1	8	492122	0.387	0	255	86.13	с	8	492122	7.616	0	255	86.13	100.00
С		9	461121	0.17	0	255	80.70	С	9	461121	7.616	0	255	80.70	100.00
С		4	201671	1.163	0	255	35.30	С	4	201671	7.616	0	255	35.30	100.00
С	Pig#2	8	522122	0.387	0	255	91.38	С	8	522122	7.616	0	255	91.38	100.00
с		9	490121	0.17	0	255	85.78	С	9	490121	7.616	0	255	85.78	100.00
															Average of percentage
															100.00

	Comp	oarison between Treatn	nents Day 0		
Depend	lent Variable:				
Dava			Mean		
Days	(I) Treatments	(J) Treatments	Difference (I-	Std. Error	Sig.
Day 0	A – Revity	B – Saline Gauze	86.14444*		.000
		C – Untreated Control	85.63111*		.000
	B – Saline Gauze	A – Revity	-86.14444*		.000
		C – Untreated Control	-0.51333333		.953
	C – Untreated Control	A – Revity	-85.63111*		.000
		B – Saline Gauze	0.513333333	1.74085	.953
		oarison between Treatn	nents Day 4		
Depend	ent Variable:				
Days			Mean	C I F	<u>a</u> .
-	(I) Treatments	(J) Treatments	Difference (I-	Std. Error	Sig.
Day 4	A – Revity	B – Saline Gauze	72.41611*		.000
		C – Untreated Control	73.12333*		.000
	<mark>B – Saline Gauze</mark>	A – Revity	-72.41611*		.000
		C – Untreated Control	0.707222222		.972
	C – Untreated Control	A – Revity	-73.12333*		.000
		B – Saline Gauze	-0.70722222	3.09946	.972
	Comp	oarison between Treatn	nents Day 8		
Depend	ent Variable:				
			Difference (I-		
Days	(I) Treatments	(J) Treatments	J)	Std. Error	Sig.
Day 8	A – Revity	B – Saline Gauze	11.69917*	2.62832	.000
2 ay c		C - Untreated Control	19.74083*		.000
	B – Saline Gauze	A – Revity	-11.69917*		.000
		C – Untreated Control	8.04167*		.012
	C – Untreated Control	A – Revity	-19.74083*	2.62832	.000
		B – Saline Gauze	-8.04167*	2.62832	.012
	Comp	ariso <mark>n between Treatm</mark>	ents Day 11	<u> </u>	
Depend	ent Variable:				
			Mean		
Days	(I) Treatments	(J) Treatments		Std. Error	Sig.
Day 11	A – Revity	B – Saline Gauze	-0.51333333		1.000
		C - Untreated Control	51333		1.000
	B – Saline Gauze	A – Revity	-0.51333333		1.000
	2 Sumie Sudde	C - Untreated Control	-0.51333333		1.000
			0.01000000		1.000
	C – Untreated Control	A – Revity	-0.51333333	1.74085	1.000

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С	ompariso	on between D	ays for A – R	evity	
Dependent Variable	:				
Treatments			Mean		
incauticitis	(I) Days	(J) Days	Difference (I-	Std. Error	Sig.
A – Revity	Day 0	Day 4	-3.88889*	1.38757	.035
		Day 8	-6.80333*	1.55135	.000
		Day 11	-6.80333*	1.96232	.006
	Day 4	Day 0	3.88889*	1.38757	.035
		Day 8	-2.91444444	1.55135	.250
		Day 11	-2.91444444	1.96232	.454
	Day 8	Day 0	6.80333*	1.55135	.000
		Day 8	2.914444444	1.55135	.250
		Day 11	0	2.08135	1.000
	Day 11	Day 0	6.80333*	1.96232	.006
		Day 4	2.914444444	1.96232	.454
		Day 8	0	2.08135	1.000

Com	parison b	etween Days	for B – Salin	e Gau	ze
Dependent Variable	:				
Treatments			Mean		
Treatments	(I) Days	(J) Days	Difference (I-	Std. Error	Sig.
B – Saline Gauze	Day 0	Day 4	-17.61722*	2.40003	.000
		Day 8	-81.24861*	2.68331	.000
		Day 11	-92.94778*	3.39415	.000
	Day 4	Day 0	17.61722*	2.40003	.000
		Day 8	-63.63139*	2.68331	.000
		Day 11	-75.33056*	3.39415	.000
	Day 8	Day 0	81.24861*	2.68331	.000
		Day 8	63.63139*	2.68331	.000
		Day 11	-11.69917*	3.60004	.011
	Day 11	Day 0	92.94778*	3.39415	.000
		Day 4	75.33056*	3.39415	.000
		Day 8	11.69917*	3.60004	.011

Compar	ison bety	ween Days fo	or C – Untreat	ed Co	ntrol
Dependent Variable:					
Treatments			Mean		
Treatments	(I) Days	(J) Days	Difference (I-	Std. Error	Sig.
C – Untreated	Day 0	Day 4	-16.39667*	2.87124	.000
		Day 8	-72.69361*	3.21015	.000
		Day 11	-92.43444*	4.06055	.000
	Day 4	Day 0	16.39667*	2.87124	.000
		Day 8	-56.29694*	3.21015	.000
		Day 11	-76.03778*	4.06055	.000
	Day 8	Day 0	72.69361*	3.21015	.000
		Day 8	56.29694*	3.21015	.000
		Day 11	-19.74083*	4.30686	.000
	Day 11	Day 0	92.43444*	4.06055	.000
		Day 4	76.03778*	4.06055	.000
		Day 8	19.74083*	4.30686	.000

								DAY 0						
Treatment	Pig#	Wounds		Before \	Niping		Area Total (cm2)	Treatment			After Wiping		Area of Slough (cm2)	Percentage Removed
A		1	1116789	0.109	0	255	195.45	A	1	357283	7.616 0	255	62.53	68.0
A	r	2	998535	0.026	0	255	174.76		2	197266	7.616 0		34.52	80.24
A		3	1421811	0.081	0	255	248.84		3	103370	7.616 0		18.09	92.73
A	Pig#1	4	1488192 1160636	0.04	0	255 255	260.45 203.13		4	27096 42551	7.616 C		4.74	98.18
A	Pig#1	6		0.07	0	255	176.86		6	25487	7.616 0		4.46	97.48
A		7	795377	0.825	0	255	139.20	A	7	92210	7.616 0		16.14	88.41
A		8	932233	2.649	0	255	163.15	A	8	28003	7.616 0		4.90	97.00
A		9	581544	0	0	0	101.78		9	44279	7.616 0		7.75	92.39
A		1	950560	0.051	0	255	166.36		6	25487	7.616 0		4.46	97.32
A		2	815377	0.825	0	255	142.70		7	92210	7.616 0		16.14	88.69
A		3	886833 602944	2.649	0	255 0	155.21 105.52	A	8	28003 44279	7.616 C		4.90	96.84 92.66
A 	Pig#2	4	998551	1.501	0	255	105.52	A	1	15674	0.992 0		2.74	92.60
Α	Pig#2	6		0.234	0	255	149.34	A	2	11973	0.596 0		2.14	98.60
A		7	839719	1.99	0	255	146.96		3	55768	0.462 0		9.76	93.36
A		8	663749	241.236	0	255	116.16		4	20711	0.259 0	255	3.62	96.88
A		9	689233	244.815	0	255	120.63	A	5	30874	170.085 C	255	5.40	95.52
								DAY 0						Average of percentage 92.73
Treatment	Pig#	Wounds		Before \	Niping		Area Total (cm2)	Treatment			After Wiping		Area of Slough (cm2)	Percentage Removed
В		1	1627689	0.751	0	255	284.87		1	1586807	7.616 0	255	277.71	2.51
В		2	1445199	0.003	0	255	252.93		2	1318790	7.616 0		230.81	8.75
В		3	1657914	0.004	0	255	290.16	В	3	1445879	7.616 0		253.05	12.79
В		4	1615797	0.113	0	255	282.79		4	1475549	7.616 0		258.24	8.68
В	Pig#1	5	1225293	0.228	0	255	214.44		5	1152240	7.616 0		201.66	5.96
B		6		0.02	0	255	249.44		6	1219366	7.616 0		213.41	14.45
B		/	984516	2.792 20.113	0	255 255	172.30		/	931135 829546	7.616 C		162.96	5.42
B		9	933258 1037455	4.213	0	255	163.33 181.57		9	977815	7.616 C		145.18 171.13	5.75
B		1		0.003	0	255	258.18		2	1385790	7.616 0		242.53	6.06
B	r.	2	1172993	0.228	0	255	205.29		5	1076840	7.616 0		188.46	8.20
В		3	974116	2.792	0	255	170.48	В	7	931140	7.616 0	255	162.96	4.41
В		4		4.213	0	255	188.57		9	916565	0.951 0		160.41	14.93
В	Pig#2	5	805314	2.034	0	255	140.94		1	742096	7.616 0		129.88	7.85
B		6		3.601	0	255	213.66		3	1118028	7.616 0		195.67	8.42
B		/ 8	1354327 1004056	0.015 8.542	0	255 255	237.03 175.72		5	1286315 939143	7.616 C		225.12 164.36	5.02
B		9		18.962	0	255	1/3./2		8	865541	7.616 0		151.48	5.51
		<u> </u>	<u> </u>					DAY 0	I	N				Average of percentage 7.90
Treatment	Pig#	Wounds		Before \	Niping		Area Total (cm2)	Treatment			After Wiping		Area of Slough (cm2)	Percentage Removed
C	, v	1	715868	0.256	0	255	125.29	c	1	621054	7.616 0	255	108.69	13.24
С		2	645219	3.313	0	255	112.92	с	2	611953	7.616 0		107.10	5.16
С		3	854251	0.002	0	255	149.51	с	3	827849	7.616 0		144.88	3.09
C		4	958456	0.001	0	255	167.74		4	893443	7.616 0		156.36	6.78
C	Pig#1	5	789545	0	0	0	138.18	<u> </u>	5	737445	7.616 0		129.06	6.60
c c		6	1312562 835625	0.02	0	255 255	229.72		6	1232570 811095	7.616 C		215.72 141.95	6.09
C C		/ 8		2.178	0	255	146.25 115.31		/	632546	7.616 C		141.95	3.99
c		9		1.718	0	255	104.75		9	523224	7.616 0		91.57	12.59
с		1	738219	3.313	0	255	129.20		2	675015	7.616 0		118.14	8.56
С		2	755743	0.001	0	255	132.27		4	713443	7.616 0		124.86	5.60
C		3	1319957	0.02	0	255	231.01		6	1294470	7.616 0		226.55	1.93
С		4	656257	2.178	0	255	114.85		8	616546	7.616 0		107.90	6.05
С	Pig#2	5	533312	14.416	0	255	93.34		2	466370	7.616 0		81.62	12.55
C		6	920806	0.195	0	255	161.15		3	860347	7.616 0		150.57	6.57
C		7	541302	8.497	0	255	94.74		5	507897	7.616 0		88.89	6.17
c c		8		5.937	0	255	231.17		7	1282081	7.616 0		224.38	2.94
L		9	1202204	11.664	U	255	210.40		8	1154307	7.616 0	255	202.02	3.98 Average of percentage
														6.38

							DAY 4							
reatment	Pig#	Wounds		Before \	Wiping		Area Total (cm2) Treatment			After V	Viping		Area of Slough (cm2)	Percentage Removed
		1	416341	0.11	0	255	72.87 A	1	11155	7.616	0	255	1.95	97.
		2	382028	7.042	0	255	66.86 A	2	12548	7.616	0	255	2.20	96.
		3	422587	0.039	0	255	73.96 A	1	8156	0.039	0	255	1.43	98.
		4	395696		0	255	69.25 A	4	6523	7.616	0	255	1.14	98.
	Pig#1	5	489598		0	255	85.69 A	5	4325	7.616	0	255	0.76	99.
	-	6	899562 515628	4.285 6.392	0	255 255	157.44 A 90.24 A	6	6248 10325	7.616 7.616	0	255 255	1.09	99. 98.
		8	695692		0	255	121.76 A	8	43215	7.616	0	255	7.56	93.
		9	632596		0	255	110.71 A	9	4659	7.616	0	255	0.82	99.
		1	637986		0	255	111.66 A	3	28181	0.269	0	255	4.93	95.
		2	504628	6.392	0	255	88.32 A	7	11403	7.616	0	255	2.00	97.
		3	334987	0.039	0	255	58.63 A	1	7386	0.039	0	255	1.29	97.
		4	514377	7.162	0	255	90.02 A	5	12204	1.63	0	255	2.14	97.
	Pig#2	5	564892	0.095	0	255	98.86 A	2	16034	0.049	0	255	2.81	97
	-	6	482628		0	255	84.47 A	7	11403	7.616	0	255	2.00	97
		7	593196	8.943	0	255	103.82 A	9	38057	7.616	0	255	6.66	93.
	-	8	441296 361028		0	255 255	77.23 A 63.18 A	4	6616 13199	7.616 7.616	0	255 255	1.16	98. 96.
		9	361028	7.042	U	255	63.18 A	Z	13133	7.616	U	255	2.31	96 Average of percenta
							DAY 4							97.3
reatment	Pig#	Wounds		Before \	Wiping		Area Total (cm2) Treatment			After V	Viping		Area of Slough (cm2)	Percentage Remove
		1	611820		0	255	107.08 B	1	442562	7.616	0	255	77.45	27.
		2	695738	0.055	0	255	121.76 B	2	395652	7.616	0	255	69.24	43.
		3	659585		0	255	115.44 B	3	485962	7.616	0	255	85.05	26
		4	622552	0.009	0	255	108.95 B	4	524653	7.616	0	255	91.82	15
	Pig#1	5	585695	0.003	0	255	102.50 B	5	485995	7.616	0	255	85.06	17
		6	378542		0	255	66.25 B	6	354876	7.616	0	255	62.11	6.
		7	445695	0	0	0	78.00 B	7	315485	7.616	0	255	55.21	29.
	-	8	532696 644582		0	255 255	93.23 B 112.81 B	8	315849 501232	7.616	0	255 255	55.28	40.
		9	519820		0	255	90.98 B	9	465530	7.616	0	255	81.47	10.
		2	625895		0	255	109.54 B	2	367170	7.616	0	255	64.26	41.
	-	3	546589	0.214	0	255	95.66 B	3	466458	7.616	0	255	81.64	14.
		4	489565		0	255	85.68 B	4	318762	0	0	0	55.79	34.
	Pig#2	5	532565	0.003	0	255	93.21 B	5	331988	7.616	0	255	58.10	37.
		6	471232	0.013	0	255	82.47 B	6	418357	7.616	0	255	73.22	11.
		7	421589	0	0	0	73.78 B	7	283899	7.616	0	255	49.69	32.
		8	312601	0.001	0	255	54.71 B	8	185694	7.616	0	255	32.50	40.
		9	502039	0.001	0	255	87.86 B	9	433218	0.951	0	255	75.82	13.
														Average of percenta 25.8
eatment	Pig#	Wounds		Before \	Wiping		DAY 4 Area Total (cm2) Treatment	•		After V	Viping		Area of Slough (cm2)	Percentage Remove
		1	849612		0	255	148.69 C	1	635695	7.616	0	255	111.26	25
		2	732858		0	255	128.26 C	2	556289	7.616	0	255	97.36	24
	1	3	612609		0	255	107.21 C	3	412548	7.616	0	255	72.20	32
	4	4	485662		0	255	85.00 C	4	378545	7.616	0	255	66.25	22
	Pig#1	5	781425	0.015	0	255	136.76 C	5	501476	7.616	0	255	87.77	35
	4	6	802156		0	255	140.39 C	6	685954	7.616	0	255	120.05	14
	-	7	674585	0.01	0	255	118.06 C	7	548411	7.616	0	255	95.98	18
	-	8	501225 441525		0	255 255	87.72 C 77.27 C	8	385562	7.616 7.62E+00	0	255 255	67.48	23
	1	9	441525 810012	5.94E-04 0.01	0	255	141.76 C	9	364154 622245	7.62E+00 7.616	0	255	108.90	23
	1	2	711858	0.01	0	255	141.76 C 124.58 C	2	565536	7.616	0	255	98.98	23
	1	3	566809	0.009	0	255	99.20 C	3	438772	7.616	0	255	76.79	22
	1	4	506937	0.005	0	255	88.72 C	4	311847	7.616	0	255	54.58	38
	Pig#2	5	852594		0	255	149.22 C	5	585697	7.616	0	255	102.50	31
	1 ĭ	6	790253	0.006	0	255	138.30 C	6	732612	7.616	0	255	128.22	
		7	702332		0	255	122.92 C	7	566634	7.616	0	255	99.17	19
		8	912551	0.001	0	255	159.71 C	8	458902	7.616	0	255	80.31	49
		9	533590	5.94E-04	0	255	93.39 C	9	452598	7.62E+00	0	255	79.21	15
														Average of percenta
														24.5

								DAY 8								
	rcentage Remove					205.652		Treatment		255	Wiping 0	Before 0.003	395652	Wounds	Pig#	reatment
	100									255	0	0.003	524653	2	-	
	100									255	0	0.001	354876	3		
	100						-			255	0	0.051	315849	4	Pig#1	
	100	97.36	255		0.022	556289		δA	97.36	255	0	0.022	556289	5		
	100							δA		255	0	0.838	378545	6		
	100						_	5 A		255	0	0.003	485995	1		
	100									255	0	0.001	562656	2	_	
	100									255 255	0	0.059	547889	3	Pig#2	
	100									255	0	0.051	356595 532696	4	-	
	100									255	0	0.838	445108	6		
DAY 8	erage of percenta 100.0	,														
	rcentage Remove	Area of Slough (cm2)	٥	Wining	AfterM				Area Total (cm2)		Wining	Before		Wounds	Pig#	reatment
	90					53129	1			255	0	0.079	583811	1	r ig#	eatment
	86									255	0	0.019	615448	2		
255 110.65 B 3 115259 7.616 0 255 20.17	81	20.17		0 255	7.616	115259	3	5 B	110.65	255	0	0.103	632215	3	Dia#1	
	95	4.29			0.522					255	0	4.845	564858	4	Pig#1	
	93						-			255	0	16.705	447889	5		
	85									255	0	20.205	445621	6		
	90									255	0	0.079	586811	1	_	
	85									255 255	0	0.019	532990 652545	2	-	
	93						-			255	0	4.845	574895	4	Pig#2	
	91									255	0	16.705	445605	5		
	83									255	0	20.205	395668	6		
Ave	erage of percenta	/														
	88.8															
Area Total (cm2) Treatment After Wiping Area of Slough (cm2) Perc	rcentage Remove	Area of Clough (cm2)		Mining	AfterN		· · · · · · · · · · · · · · · · · · ·		Aroa Tatal (am2)		Mining	Before		Wounds	Pig#	eatment
	85					44258	4			255	wiping 0	36.995	315294	4 vounus	Pig#	eatment
	79									255	0	0.082	554896	5	1	
	80									255	0	0.067	316595	6	Di-#4	
	74									255	0	0.018	798458	7	Pig#1	
	66									255	0	0.001	730254	8		
	76						-			255	0	0.015	495028	9		
	98									255	0	36.995	2985845	4	_	
	91									255 255	0	0.082	584965 632521	5	-	
	67	34.67	255		7.616	198104	7		107.40	255	0	0.007	613655	7	Pig#2	
	48									255	0	0.001	511646	8	-	
	79		255		7.616	131869	9	-		255	0	0.015	641311	9	1	
255 89.54 C 8 264629 7.616 0 255 46.31	19										· · · · ·					
255 89.54 C 8 264629 7.616 0 255 46.31 255 112.24 C 9 131869 7.616 0 255 23.08	erage of percenta															

								DAY 1	1						
Treatment	Pig#	Wounds		Before W	iping		Area Total (cm2)	Treatment			After Wi	ping		Area of Slough (cm2)	Percentage Removed
A		4	432561	0.007	0	255	75.70	A	4	432561	7.616	0	255	75.70	100.00
A	Pig#1	5	425189	0.056	0	255	74.41	A	5	425189	7.616	0	255	74.41	100.00
A		6	352780	0.023	0	255	61.74	A	6	352780	7.616	0	255	61.74	100.00
A		4	385695	0.007	0	255	67.50	A	4	385695	7.616	0	255	67.50	100.00
A	Pig#2	5	425686	0.056	0	255			5	425686	7.616	0	255	74.50	100.00
A		6	295485	0.023	0	255	51.71	A	6	295485	7.616	0	255	51.71	
															Average of percentage
															100.00
								DAY 1	1						
Treatment	Pig#	Wounds		Before W	iping		Area Total (cm2)	Treatment			After Wi	ping		Area of Slough (cm2)	Percentage Removed
В		4	612584	0.015	0	255	107.21	В	4	612584	7.616	0	255	107.21	100.00
3	Pig#1	5	489584	0.021	0	255	85.68	В	5	489584	7.616	0	255	85.68	100.00
В		6	714859	0	0	0	125.11	В	6	714859	7.616	0	255	125.11	100.00
В		4	574815	0.015	0	255	100.60	В	4	574815	7.616	0	255	100.60	100.00
В	Pig#2	5	560232	0.021	0	255	98.05	В	5	560232	7.616	0	255	98.05	100.00
В		6	652585	0	0	0	114.21	В	6	652585	7.616	0	255	114.21	100.00
															Average of percentage
															100.00
								DAY 1	1						
Treatment	Pig#	Wounds		Before W	iping		Area Total (cm2)	Treatment			After Wi	ping		Area of Slough (cm2)	Percentage Removed
0		4	234159	1.163	0	255	40.98	С	4	234159	7.616	0	255	40.98	100.00
C	Pig#1	8	532584	0.387	0	255	93.21	С	8	532584	7.616	0	255	93.21	100.00
C		9	465963	0.17	0	255	81.55	С	9	465963	7.616	0	255	81.55	100.00
C		4	221325	1.163	0	255	38.73	С	4	221325	7.616	0	255	38.73	100.00
0	Pig#2	8	536985	0.387	0	255			8	536985	7.616	0	255	93.98	100.00
с		9	489585	0.17	0	255	85.68	с	9	489585	7.616	0	255	85.68	
															Average of percentage
															100.00

	Comp	arison between Treatn	nents Day 0		
Depend	dent Variable:				
D			Mean		
Days	(I) Treatments	(J) Treatments	Difference (I-	Std. Error	Sig.
Day 0	A – Revity	B – Saline Gauze	84.82111*	1.75652	.00
		C – Untreated Control	86.34667*	1.75652	.00
	B – Saline Gauze	A – Revity	-84.82111*		.00
		C – Untreated Control	1.525555556		.662
	C – Untreated Control	A – Revity	-86.34667*		.00
		B – Saline Gauze	-1.52555556	1.75652	.66
	Comp	arison between Treatn	nents Day 4		
Depend	dent Variable:				
Dave			Mean		
Days	(I) Treatments	(J) Treatments	Difference (I-	Std. Error	Sig.
Day 4	A – Revity	B – Saline Gauze	71.46944*		.000
		C – Untreated Control	72.81667*		.00
	B – Saline Gauze	A – Revity	-71.46944*		.00
		C – Untreated Control	1.347222222	3.06114	.89
	C – Untreated Control	A – Revity	-72.81667*	3.06114	.00
		B – Saline Gauze	-1.34722222	 * 1.75652 * 3.06114 * 3.06114 * 3.06114 * 3.06114 2 3.06114 2 3.06114 * 3.06114 2 3.06114 * 3.06114 2 3.06114 * 3.06114 2 3.06114 * 3.01077 * 3.21077 * 3.	.89
-	dent Variable:		Difference (I-		
Days	(I) Treatments	(J) Treatments	J)	Std Error	Sig
Day 8	A – Revity	B – Saline Gauze	11,16750*		.004
Day o	A – Revily	C – Untreated Control	22.38000*		.00. 00.
	B – Saline Gauze	A – Revity	-11.16750*		.00
		C – Untreated Control	11.21250*		.00
	C – Untreated Control	A – Revity	-22.38000*		-00.
		\mathbf{B} – Saline Gauze	-11.21250*		.004
	Comp	arison between Treatm		0.21077	
Depend	dent Variable:				
1			Mean		
-			D 100 (7	Std Emor	Sig.
Days	(I) Treatments	(J) Treatments	Difference (1-	SIG. LITOI	
	(I) Treatments	(J) Treatments B – Saline Gauze	Difference (I- -0.51333333		U
	(I) Treatments	B – Saline Gauze	-0.51333333	1.74085	1.00
	(I) Treatments A – Revity	B – Saline Gauze C – Untreated Control	-0.51333333 51333	1.74085 1.74085	1.00
	(I) Treatments	B – Saline Gauze C – Untreated Control A – Revity	-0.51333333 51333 -0.51333333	1.74085 1.74085 1.74085	1.00 1.00 1.00
Days Day 11	(I) Treatments A – Revity	B – Saline Gauze C – Untreated Control	-0.51333333 51333	1.74085 1.74085 1.74085 1.74085	1.000 1.000 1.000 1.000 1.000

С	ompariso	on between D	ays for A – R	evity	
Dependent Variable					
Treatments			Mean		
meannenits	(I) Days	(J) Days	Difference (I-	Std. Error	Sig.
A – Revity	Day 0	Day 4	-4.60222*	1.53610	.02
		Day 8	-7.27389*	1.71741	.00
		Day 11	-7.27389*	2.17237	.00
	Day 4	Day 0	4.60222*	1.53610	.02
		Day 8	-2.67166667	1.71741	.41
		Day 11	-2.67166667	2.17237	.61
	Day 8	Day 0	7.27389*	1.71741	.00
		Day 8	2.671666667	1.71741	.41
		Day 11	0	2.30415	1.00
	Day 11	Day 0	7.27389*	2.17237	.00
		Day 4	2.671666667	2.17237	.61
		Day 8	0	2.30415	1.00

Comparison between Days for B – Saline Gauze Dependent Variable:

Dependent Variable			Mean		
Treatments	(I) Days	(J) Days	Difference (I-	Std. Error	Sig.
B – Saline Gauze	Day 0	Day 4	-17.95389*	2.57622	.000
	2	Day 8	-80.92750*	2.88031	.000
		Day 11	-92.09500*	3.64333	.000
	Day 4	Day 0	17.95389*	2.57622	.000
		Day 8	-62.97361*	2.88031	.000
		Day 11	-74.14111*	3.64333	.000
	Day 8	Day 0	80.92750*	2.88031	.000
		Day 8	62.97361*	2.88031	.000
		Day 11	-11.16750*	3.86434	.028
	Day 11	Day 0	92.09500*	3.64333	.000
		Day 4	74.14111*	3.64333	.000
		Day 8	11.16750*	3.86434	.028

Dependent Variable		ween Days for			
Treatments	(I) Days	(J) Days	Mean Difference (I-	Std. Error	Sig.
C – Untreated	Day 0	() 2 4 je Day 4	-18.13222*		.00
	2	Day 8	-71.24056*	3.21024	.00
		Day 11	-93.62056*	4.06067	.00
	Day 4	Day 0	18.13222*	2.87133	.0(
		Day 8	-53.10833*	3.21024	.00
		Day 11	-75.48833*	4.06067	.00
	Day 8	Day 0	71.24056*	3.21024	.00
		Day 8	53.10833*	3.21024	.00
		Day 11	-22.38000*	4.30699	.00
	Day 11	Day 0	93.62056*	4.06067	.00
		Day 4	75.48833*	4.06067	.00
		Day 8	22.38000*	4.30699	.00

APPENDIX 4. Microbiology Raw Data and Statistical Analysis

Determination of the Debridement Effects of Revity on Deep Dermal Wounds in a Porcine Model

Pig #1 P21-226/27 and Pig #2 P22-163/21

Inoculum						
Strain	Pig	Dilution	Count	CFU/ml	Log CFU/ml	
	1	-4	48	9.59E+06	6.98	
Methicillin Resistant Staphylococcus aureus (MRSA USA 300)	2	-4	49	9.79E+06	6.99	STDV
			Mean	9.69E+06	6.99	0.01

Baseline 72 hours after wonding and infection

Treatment	Pig	Biopsy	Dilution	Count	CFU/m1	Log CFU/ml		
		1	-4	33	3.30E+07	7.52		
	1	2	-4	51	5.10E+07	7.71		
Basetine		3	-4	26	2.60E+07	7.41		
Daseinte	2	1	-4	43	2.58E+07	7.41		
		2	-3	178	1.07E+07	7.03		
		3	-4	37	2.22E+07	7.35	STDV	
				Mean	2.81E+07	7.41	0.	22

Number of organism per g

Treatment	Pig	Bio ps y	Number of Colonics (N)	Volum e o f ALL purpose Neutralizer (V)	Dilution Factor (D)	Weight Biopsy(g) X	CFU/g	log CFU/g	
	1	1	33	5	10000	0.153	1.08E+07	7.03	
		2	51	5	10000	0.196	1.30E+07	7.11	
Destin		3	26	5	10000	0.131	9.92E+06	7.00	
Baseline		1	43	3	10000	0.157	8.22E+06	6.91	
	2	2	178	3	1000	0.158	3.38E+06	6.53	
		3	37	3	10000	0.144	7.71E+06	6.89	STDV
						Maan	8 84E+06	6.01	0.20

Day 4 ORSAB Bacterial countinwounds recovered Day 4

Treatment	Pig	Biopsy	Dilution	Count	CFU/ml	Log CFU/ml	
		7	-1	43	2.58E+04	4.41	
	1	8	-2	37	2.22E+05	5.35	
A Brazina		9	-2	23	1.38E+05	5.14	
A – Revity		7	-2	46	1.84E+05	5.26	
	2	8	-2	40	1.60E+05	5.20	
		9	-1	82	3.28E+04	4.52	STDV
				Maria	1.0770-07	4.00	

Number of organism per g

Treatment	Pig	Bio ps y	Number of Colonics (N)	Volum e o f ALL purpose Neutralizer (V)	Dilution Factor (D)	Weight Biopsy(g) X	CFU/g	Iog CFU/g	
		7	43	3	10	0.151	8.54E+03	3.93	
	1	8	37	3	100	0.179	6.20E+04	4.79	1
A – Revity		9	23	3	100	0.229	3.01E+04	4.48	1
A - Nevity		7	46	2	100	0.216	4.26E+04	4.63	1 1
	2	8	40	2	100	0.193	4.15E+04	4.62	
		9	82	2	10	0.220	7.45E+03	3.87	STDV
						Mean	3.20E+04	4.39	0.39

ORSAB Bacterial count in wounds recovered Day 4

Treatment	Pig	Biopsy	Dilution	Count	CFU/ml	Log CFU/ml	Í	Ι
		7	-2	44	2.66E+06	5.42	Í	I
	1	8	-3	21	1.26E+06	6.10	Í	I
B – Saline Gauze		9	-3	36	2.16E+06	6.33	Í	I
B - Same Gauze		7	-4	64	2.56E+07	7.41	Í	I
	2	8	-3	193	7.72E+06	6.89	Í	
		9	-4	23	9.19E+06	6.96	STDV	1
				Mean	8 10E+06	6.52	0.77	I.

Number of organism per g

Treatment	Pig	Biopsy	Colonies (N)	Neutralizer (V)	(D)	Biopsy(g) X	CFU/g	log CFU/g	i l
		7	44	3	100	0.159	8.30E+04	4.92	1 1
	1	8	21	3	1000	0.178	3.54E+05	5.55	1
2.0.0		9	36	3	1000	0.237	4.56E+05	5.66	i I
B – Saline Gauze	2	7	64	2	10000	0.221	5.79E+06	6.76	1 1
		8	193	2	1000	0.233	1.66E+06	6.22	
		9	23	2	10000	0.219	2.10E+06	6.32	STDV
						Mean	1.74E+06	5.91	0.66

ORSAB Bacterial count in wounds recovered Day 4

Treatment	Pig	Biopsy	Dilution	Count	CFU/m1	Log CFU/ml	
		4	-5	24	1.44E+08	8.16	j
	1	5	-5	29	1.74E+08	8.24	/
C - Untreated Control		9	-4	178	1.07E+08	8.03	
C - Untreated Control		4	-4	93	3.72E+07	7.57	
	2	5	-4	78	3.12E+07	7.49	1
		9	-5	22	8.79E+07	7.94	STDV
				Mean	9.69E+07	7.91	0.31

Treatment	Pig	Biopsy	Number of Colonics (N)	Volume of ALL purpose Neutralizer (V)	Dilution Factor (D)	Weight Biopsy(g) X	CFU/g	Log CFU/g	í
		4	24	3	100000	0.196	3.67E+07	7.57	1
	1	5	29	3	100000	0.183	4.75E+07	7.68	i
C - Untreated Control		9	178	3	10000	0.209	2.56E+07	7.41	1
C = Ondested Condor		4	93	2	10000	0.221	8.42E+06	6.93	1
	2	5	78	2	10000	0.212	7.36E+06	6.87	
		9	22	2	100000	0.161	2.73E+07	7.44	STDV
						Mean	2.55E+07	7.31	0.34

Day 8							
ORSAB Bacterial count in wounds recovered Day 8							
Treatment	Pig	Biopsy	Dilution	Count	CFU/ml	Log CFU/ml	
		1	-1	81	3.24E+04	4.51	
	1	2	-1	126	5.04E+03	3.70	
A – Revity		6	-1	34	1.36E+03	3.13	
A - Kevny		1	-2	21	8.39E+04	4.92	
	2	2	-1	50	2.00E+04	4.30	
		6	-1	58	2.32E+04	4.37	STDV
				Mean	2.77E+04	4.16	0.64

Number of organism per g

Treatment	P ig			Volume of ALL purpose Neutralizer (V)		Weight Biopsy(g) X	CFU/g	Log CFU/g	
		1	81	2	10				
	1	2	126	2	10	0.209	1.21E+04	4.08	1
A – Revity		6	34	2	10	0.207	3.29E+03	3.52	1
A – Kevny		1	21	2	100	0.216	1.94E+04	4.29	1
	2	2	50	2	10	0.233	4.29E+03	3.63	
		6	58	2	10	0.235	4.94E+03	3.69	STDV
	-					Mean	8.83E+03	3.86	0.30

ORSAB Bacterial count in wounds recovered Day 8

Treatment	Pig	Biopsy	Dilution	Count	CFU/ml	Log CFU/ml	
		1	-3	29	6.80E+03	3.83	
	1	2	-3	38	2.30E+04	4.36	
B – Saline Gauze		6	-2	197	4.30E+04	4.63	
B – Sainie Gauze		1	-3	139	5.56E+06	6.74	
	2	2	-4	22	8.79E+06	6.94	
		6	-3	126	5.04E+06	6.70	STDV
				Mean	3.24E+06	5.53	1.41

Number of organism per g

Treatment	P ig	Biopsy	Colonies (N)	purpose Neutralizer (V)	Factor (D)	Biopsy(g) X	CFU/g	Log CFU/g	
		1	29	2	1000	0.190	3.05E+05	5.48	
	1	2	38	2	1000	0.211	3.60E+05	5.56	
B – Saline Gauze		6	197	2	100	0.186	2.12E+05	5.33	
B – Saine Gauze		1	139	2	1000	0.238	1.17E+06	6.07	
	2	2	22	2	10000	0.239	1.84E+06	6.27	
		6	126	2	1000	0.241	1.05E+06	6.02	STDV
						Mean	8.22E+05	5.79	0.38

ORSAB Bacterial count in wounds recovered Day 8

Treatment	Pig	Biopsy	Dilution	Count	CFU/ml	Log CFU/ml	
		3	-4	46	2.00E+06	6.30	
	1	7	-3	190	1.71E+06	6.23	
C – Untreated Control		8	-4	55	2.40E+06	6.38	
C – Ontreated Control	2	3	-4	94	3.76E+07	7.57	
		7	-4	44	1.76E+07	7.25	
		8	-4	58	2.32E+07	7.37	STDV
				Mean	1.41E+07	6.85	0.61

Treatment	P ig			Volume of ALL purpose Neutralizer (V)		Weight Biopsy(g) X	CFU/g	Log CFU/g	
		3	46	3	10000				
	1	7	190	3	1000	0.224	2.54E+06	6.41	
C – Untreated Control		8	55	3	10000	0.218	7.57E+06	6.88	
C – Ontreated Control	2	3	94	2	10000	0.218	8.62E+06	6.94	
		7	44	2	10000	0.276	3.19E+06	6.50	
		8	58	2	10000	0.260	4.46E+06	6.65	STDV
						Mean	5.57E+06	6.70	0.22

Day 11									
RSAB Bacterial count in wounds recovered Day 11	D '	D '	D1	a .	CTTL/ 1	1 CTT1/ 1		I	
Treatment	Pig	Biopsy	Dilution 0	Count 197	CFU/ml 7.88E+03	Log CFU/ml 3.90			
	1		4 -1	28	1.12E+04	4.04			
A Douites			5 0			3.84			
A – Revity			3 -1	45					
	2		4 -1						
			5 0		6.84E+03		STDV		
				Mean	1.05E+04	3.99	0.17		
umber of organism per g									
Treatment	P ig		Number of	Volume of ALL	Dilution	Weight			
		Biopsy	Colonies (N)	purpose Neutralizer (V)	Factor (D)		CFU/g	Log CFU/g	
	1		3 197	2	1	0.202	1.95E+03	3.29	
			4 28 5 173	2	10		2.16E+03 2.14E+03	3.33	
A – Revity			3 45	2	10	0.162 0.290	2.14E+03 3.10E+03	3.33	
	2		4 30	2			2.73E+03	3.49	
	-		5 171	2	10	0.220	1.70E+03	3.44	STDV
			5 1/1	2	1	Mean	2.30E+03	3.35	0.1
RSAB Bacterial count in wounds recovered Day 11									
Treatment	Pig	Biopsy	Dilution	Count	CFU/ml	Log CFU/ml			
			3 -3	44		6.25			
	1		4 -2	78	3.12E+05	5.49			
B – Saline Gauze			5 -3	20	8.00E+05	5.90			
B – Saine Gauze			3 -3	44	1.79E+06	6.25			
	2		4 -3	52	2.08E+06	6.32			
			5 -3	38	1.52E+06	6.18	STDV		
				Mean	1.38E+06	6.07	0.32		
imber of organism per g									-
T ()	P ig		Number of	Volume of ALL	Dilution	Weight			
Treatment	1 45	Biopsy	Colonies (N)		Factor (D)	Biopsy(g) X	CFU/g	Log CFU/g	
		Diopoy	3 44	2	1000	0.199	4.42E+05	5.65	
	1		4 78	2		0.173	9.02E+04	4.96	
			5 20	2	1000	0.192	2.08E+05	5.32	
B – Saline Gauze			3 44	2	1000	0.227	3.88E+05	5.59	
	2		4 52	2	1000	0.189	5.50E+05	5.74	
			5 38	2	1000	0.179	4.25E+05	5.63	STDV
						Mean	3.51E+05	5.48	0.2
RSAB Bacterial count in wounds recovered Day 11									
RSAB Bacterial count in wounds recovered Day 11 Treatment	Pig	Biopsy	Dilution	Count	CFU/ml	Log CFU/ml			
		Biopsy	Dilution 4 -3	Count 128	7.68E+06	Log CFU/ml 6.89			
	Pig 1	Biopsy	4 -3 8 -4	128 31	7.68E+06 1.86E+07	6.89 7.27			
Treatment		Biopsy	4 -3 8 -4 9 -3	128 31 63	7.68E+06 1.86E+07 3.78E+06	6.89 7.27 6.58			
	1	Biopsy	4 -3 8 -4 9 -3 1 -3	128 31 63 196	7.68E+06 1.86E+07 3.78E+06 7.84E+06	6.89 7.27 6.58 6.89			
Treatment		Biopsy	4 -3 8 -4 9 -3 1 -3 2 -4	128 31 63 196 31	7.68E+06 1.86E+07 3.78E+06 7.84E+06 1.24E+05	6.89 7.27 6.58 6.89 7.09			
Treatment	1	Biopsy	4 -3 8 -4 9 -3 1 -3	128 31 63 196 31 189	7.68E+06 1.86E+07 3.78E+06 7.84E+06 1.24E+05 7.56E+06	6.89 7.27 6.58 6.89 7.09 6.88			
Treatment	1	Biopsy	4 -3 8 -4 9 -3 1 -3 2 -4	128 31 63 196 31	7.68E+06 1.86E+07 3.78E+06 7.84E+06 1.24E+05	6.89 7.27 6.58 6.89 7.09	STDV 0.23		
Treatment C – Untreated Control	1	Biopsy	4 -3 8 -4 9 -3 1 -3 2 -4	128 31 63 196 31 189	7.68E+06 1.86E+07 3.78E+06 7.84E+06 1.24E+05 7.56E+06	6.89 7.27 6.58 6.89 7.09 6.88			
Treatment C – Untreated Control umber of organism per g	2	Biopsy	4 -3 8 4 9 -3 1 -3 2 4 6 -3	128 31 63 196 31 189 Mean	7.68E+06 1.86E+07 3.78E+06 7.84E+06 1.24E+05 7.56E+06 7.60E+06	6.89 7.27 6.58 6.89 7.09 6.88 6.93			
Treatment C – Untreated Control	1		4 -3 8 4 9 -3 1 -3 2 4 6 -3 Number of	128 31 63 196 31 189 Mean Volume of ALL	7.68E+06 1.86E+07 3.78E+06 7.84E+06 1.24E+05 7.56E+06 7.60E+06 Dilution	6.89 7.27 6.58 6.89 7.09 6.88 6.93 Weight	0.23	Log CF11/g	
Treatment C – Untreated Control mber of organism per g	2	Biopsy	4 -3 8 -4 9 -3 1 -3 2 -4 6 -3 Vumber of Colonies (N)	128 31 63 196 31 189 Mean Volume of ALL purpose Neutralizer (V)	7.68E+06 1.86E+07 3.78E+06 7.84E+06 7.65E+06 7.60E+06 Dilution Factor (D)	6.89 7.27 6.58 6.89 7.09 6.88 6.93 Weight Biopsy(g) X	0.23 CFU/g	Log CFU/g	
Treatment C – Untreated Control unber of organism per g	2		4 -3 8 -4 9 -3 1 -3 2 -4 6 -3 Number of Colonies (N) 4 128	128 31 63 196 31 189 Mean Volume of ALL purpose Neutralizer (V) 3	7.68E+06 1.86E+07 3.78E+06 7.84E+06 1.24E+05 7.56E+06 7.60E+06 Dilution Factor (D) 1000	6.89 7.27 6.58 6.89 7.09 6.88 6.93 Weight Biopsy(g) X 0.217	0.23 CFU/g 1.77E+06	6.25	
Treatment C – Untreated Control umber of organism per g Treatment	1 2 Рід		4 -3 8 -4 9 -3 1 -3 2 -4 6 -3 Vumber of Colonies (N) 4 128 8 31	128 31 63 196 31 189 Mean Volume of ALL purpose Neutralizer (V) 3 3 3	7.68E+06 1.86E+07 3.78E+06 7.84E+06 7.42E+05 7.56E+06 7.60E+06 Dilution Factor (D) 1000 10000	6.89 7.27 6.58 6.89 7.09 6.88 6.93 Weight Biopsy(g) X 0.217 0.206	0.23 CFU/g 1.77E+06 4.51E+06	6.25 6.65	
Treatment C – Untreated Control umber of organism per g	1 2 Рід		4 -3 8 -4 9 -3 1 -3 2 -4 6 -3 Vumber of Colonies (N) 4 128 8 31 9 63	128 31 63 196 31 189 Mean Volume of ALL purpose Neutralizer (V) 3 3 3 3 3	7.68E+06 1.86E+07 3.78E+06 7.84E+06 7.56E+06 7.60E+06 Dilution Factor (D) 1000 10000	6.89 7.27 6.58 6.89 7.09 6.88 6.93 Weight Biopsy(g) X 0.217	0.23 CFU/g 1.77E+06 4.51E+06 9.26E+05	6.25 6.65 5.97	
Treatment C – Untreated Control umber of organism per g Treatment	1 2 Рід		4 -3 8 -4 9 -3 1 -3 2 -4 6 -3 8 -3 Kolonies (N) 4 -128 8 -3 9 -63 9 -63 1 -196	128 31 63 196 31 189 Mean Volume of ALL purpose Neutralizer (V) 3 3 3 3 2 2	7.68E+06 1.86E+07 3.78E+06 7.84E+06 1.24E+05 7.56E+06 7.60E+06 Dilution Factor (D) 1000 10000 10000 1000	6.89 7.27 6.58 6.89 7.09 6.88 6.93 Weight Biopsy(g) X 0.217 0.206 0.204 0.221	0.23 CFU/g 1.77E+06 4.51E+06 9.26E+05 1.77E+06	6.25 6.65 5.97 6.25	
Treatment C – Untreated Control umber of organism per g Treatment	1 2 Pig 1		4 -3 8 -4 9 -3 1 -3 2 -4 6 -3 Vumber of Colonies (N) 4 128 8 31 9 63	128 31 63 196 31 189 Mean Volume of ALL purpose Neutralizer (V) 3 3 3 3 3 2 2 2 2 2	7.68E+06 1.86E+07 3.78E+06 7.84E+06 7.56E+06 7.60E+06 Dilution Factor (D) 1000 10000 10000 10000	6.89 7.27 6.58 6.89 7.09 6.88 6.93 Weight Biopsy(g) X 0.217 0.206 0.204	0.23 CFU/g 1.77E+06 4.51E+06 9.26E+05	6.25 6.65 5.97 6.25 6.41	STDV

	Comp	arison between Treatn	nents Day 2		
Depend	lent Variable:				
D			Mean		
Days	(I) Treatments	(J) Treatments	Difference (I-	Std. Error	Sig.
Day 4	Baseline	A – Revity	2.52500*		.0
		B – Saline Gauze	1.00667*	[•] .24818	.0
		C – Untreated Control	-0.405		.3
	A – Revity	Baseline	-2.52500*	[•] .24818	.0
		B – Saline Gauze	-1.51833*		.0
		C – Untreated Control	-2.93000*	• .24818	.0
	B – Saline Gauze	Baseline	-1.00667*		.0
		A – Revity	1.51833*		.0
		C – Untreated Control	-1.41167*		.0
	C – Untreated Control	Baseline	0.405	.24818	.3
		A – Revity	2.93000*	• .24818	.0
		B – Saline Gauze	1.41167*	• .24818	.0
	Comp	arison between Treatm	nents Day 8		
Depend	lent Variable:		V		
			Mean		
Days	(I) Treatments	(J) Treatments	Difference (I-	Std. Error	Sig.
Day 8	Baseline	A – Revity	3.05167*		.0
2		B – Saline Gauze	1.12333*	· .16367	.0
		C – Untreated Control	0.206666667	.16367	.5
	A – Revity	Baseline	-3.05167*	· .16367	.0
	-	B – Saline Gauze	-1.92833*	• .16367	.0
		C – Untreated Control	-2.84500*	• .16367	.0
	B – Saline Gauze	Baseline	-1.12333*	.16367	.0
		A – Revity	1.92833*	• .16367	.0
		C – Untreated Control	91667*	• .16367	.0
	C – Untreated Control	Baseline	-0.20666667	.16367	.5
		A – Revity	2.84500*	· .16367	.0
		B – Saline Gauze	.91667*	• .16367	.0
	Comp	arison between Treatm	ents Day 11	<u> </u>	
Depend	lent Variable:				
-		1	Mean		
Days	(I) Treatments	(J) Treatments	Difference (I-	Std. Error	Sig.
Day 11	Baseline	A – Revity	3.56000*		.0
		B – Saline Gauze	1.43000*		.0 .0
		C – Untreated Control	.62167*		.0
	A – Revity	Baseline	-3.56000*		0.
	ri rovny		2,120004		.0

B – Saline Gauze C – Untreated Control

C – Untreated Control

Baseline

Baseline

A – Revity

B – Saline Gauze

A – Revity

B – Saline Gauze

C – Untreated Control

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-2.13000*

-2.93833* -1.43000*

2.13000*

-.80833*

-.62167* 2.93833*

.80833*

.12496

.12496

.12496

.12496

.12496

.12496

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.12496

С	ompariso	on between D	ays for A – R	evity	
Dependent Variable	:				
Treatments	(I) Days	(J) Days	Mean Difference (I-	Std Error	Sig.
A – Revity	(I) Days Day 4	Day 8	.52667*		.017
2	2	Day 11	1.03500*	.16639	.000
	Day 8	Day 4	52667*	.16639	.017
		Day 11	.50833*		.021
	Day 11	Day 4	-1.03500*		.000
		Day 8	50833*	.16639	.021

Comparison between Days for B – Saline Gauze

Dependent Variable	:				
Treatments			Mean		
Treatments	(I) Days	(J) Days	Difference (I-	Std. Error	Sig.
B – Saline Gauze	Day 4	Day 8	0.116666667	.27113	.904
		Day 11	0.423333333	.27113	.292
	Day 8	Day 4	-0.11666667	.27113	.904
		Day 11	0.3066666667	.27113	.511
	Day 11	Day 4	-0.42333333	.27113	.292
		Day 8	-0.30666667	.27113	.511

Comparison between Days for C – Untreated Control

Dependent Variable: Mean Treatments (I) Days Difference (I-Std. Error (J) Days Sig. .15377 .003 C – Untreated Day 4 Day 8 .61167* .15377 Day 11 1.02667* .000 Day 8 Day 4 -.61167* .15377 .003 .15377 Day 11 .41500* .041 Day 11 Day 4 -1.02667* .15377 .000 -.41500* <mark>.15377</mark> .041 Day 8

Determination of the Debridement Effects of Revity on Deep Dermal Wounds in a Porcine Model

Pig #1 P22-164/22 and Pig #2 P22-165/23

Inocu	lum
Strain	n

Strain	Pig	Dilution	Count	CFU/ml	Log CFU/ml	
	1	-4	46	9.19E+06	6.96	
Pseudomonas aeruginosa PA09-010	2	-4	29	5.80E+06	6.76	STDV
	-		Mean	7.50E+06	6,86	0.14

Baseline 72 hours after wonding and infection

Treatment	Pıg	Biopsy	Dilution	Count	CFU/ml	Log CFU/ml		
		1	-3	52	3.12E+06	6.49		
	1	2	-3	189	1.13E+07	7.05		
Baseline		3	-4	95	5.70E+07	7.76		
Baseline		1	-3	170	1.02E+07	7.01		
	2	2	-4	61	3.66E+07	7.56		
		3	-3	99	5.94E+06	6.77	STDV	
				Mean	2.07E+07	7.11	0.48	3

Number of organism per g

Treatment	P ig	Biopsy	Number of Colonies (N)	Volume of ALL purpose Neutralizer (V)	Dilution Factor (D)	Weight Biopsy(g) X	CFU/g	Log C FU/g	
		1	52	3	1000	0.187	8.34E+05	5.92	
	1	2	189	3	1000	0.180	3.15E+06	6.50	
Baseline		3	95	3	10000	0.209	1.36E+07	7.13	
Bascille		1	170	3	1000	0.190	2.68E+06	6.43	
	2	2	61	3	10000	0.159	1.15E+07	7.06	
		3	99	3	1000	0.142	2.09E+06	6.32	STDV
Mean 5.65E+06 6.56									0.46

6.62

6.45

STDV

0.16

4.20E+06

2.94E+0

Day 4

	PA Agar Bacterial count in wounds recovered Day 4						
	Treatment	Pig	Biopsy	Dilution	Count	CFU/ml	Log CFU/ml
			7	-3	52	2.08E+06	6.32
	A – Revity	1	8	-3	40	1.60E+06	6.20
			9	-3	84	3.36E+06	6.53
			6	-3	92	3.68E+06	6.57
		2	8	-3	68	2.72E+06	6.43

Number of organism per g

Treatment	P ig	Biopsy	Number of Colonies (N)	Volume of ALL purpose Neutralizer (V)	Dilution Factor (D)	Weight Biopsy(g) X	CFU/g	Log C FU/g	
		7	52	2	1000	0.205	5.07E+05	5.71	
	1	8	40	2	1000	0.223	3.59E+05	5.55	
A – Revity		9	84	2	1000	0.172	9.77E+05	5.99	
A – Rovny		6	92	2	1000	0.216	8.52E+05	5.93	
	2	8	68	2	1000	0.211	6.45E+05	5.81	
		9	105	2	1000	0.197	1.07E+06	6.03	STDV
						Mean	7.34E+05	5.84	0.18

Mear

9

PA Agar Bacterial count in wounds recovered Day 4

Treatment	Pig	Biopsy	Dilution	Count	CFU/ml	Log CFU/ml		
		7	-4	36	1.44E+07	7.16	İ	
	1	8	-4	51	2.04E+07	7.31	İ	
B – Saline Gauze		9	-4	30	1.20E+07	7.08	İ	
B – Saille Gauze		6	-4	43	1.72E+07	7.24	i	
	2	8	-4	61	2.44E+07	7.39		
		9	-4	39	1.56E+07	7.19	STDV	
		Mean	1.73E+07	7.23	0.1	1		

Number of organism per g

Treatment	P ig	Biopsy	Number of Colonies (N)	Volume of ALL purpose Neutralizer (V)	Dilution Factor (D)	Weight Biopsy(g) X	C F U/g	Log C FU/g	
		7	36	2	10000	0.211	3.41E+06	6.53	
	1	8	51	2	10000	0.206	4.95E+06	6.69	
		9	30	2	10000	0.190	3.16E+06	6.50	
B – Saline Gauze		6	43	2	10000	0.165	5.21E+06	6.72	
	2	8	61	2	10000	0.186	6.56E+06	6.82	
		9	39	2	10000	0.179	4.36E+06	6.64	STDV
Mean 4.61E+06 6.65									

PA Agar Bacterial count in wounds recovered Day 4

Treatment	Pig	Biopsy	Dilution	Count	CFU/ml	Log CFU/ml		
		4	-5	22	8.79E+07	7.94	ļ	
	1	5	-4	176	7.04E+07	7.85	j.	
C - Untreated Control		9	-4	61	2.44E+07	7.39	j	
C - Ontreated Control		4	-4	181	7.24E+07	7.86	j	
	2	8	-5	20	8.00E+07	7.90)	
		9	-4	70	2.80E+07	7.45	STDV	
				Mean	6.05E+07	7.73	0.	24

Treatment	P ig	Biopsy	Number of Colonies (N)	Volume of ALL purpose Neutralizer (V)	Dilution Factor (D)	Weight Biopsy(g) X	C F U/g	Log C FU/g	
		4	22	2	100000	0.218	2.02E+07	7.30	
	1	5	176	2	10000	0.263	1.34E+07	7.13	
C – Untreated Control		9	61	2	10000	0.218	5.60E+06	6.75	
C - Uniteated Control		4	181	2	10000	0.227	1.59E+07	7.20	
	2	8	20	2	100000	0.198	2.02E+07	7.31	
		9	70	2	10000	0.226	6.19E+06	6.79	STDV
						Mean	1.36E+07	7.08	0.25

Agar Bacterial count in wounds recovered Day 8									
Treatment	Pig	Biopsy	Dilution	Count	CFU/ml	Log CFU/ml			
			1 -3				1		
	1		2 -2			5.74			
A – Revity			6 -2			5.85			
A - Kevity			1 -3						
	2		2 -2						
			3 -2				STDV		
				Mean	7.34E+05	5.76	0.36		
mber of organism per g				T		1			1
Treatment	Pig		Number of	Volume of ALL	Dilution	Weight			
Treatment		Biopsy	Colonies (N)	purpose Neutralizer (V)	Factor (D)	Biopsy(g) X	CFU/g	Log CFU/g	
			1 37	2 2	1000	0.182	4.07E+05	5.61	1
	1		2 138		100	0.226		5.09	
A – Revity			6 176		100			5.26	1
A - Kevny			1 28		1000	0.256		5.34	1
	2		2 36		100	0.261	2.76E+04	4.44	
			3 101	2	100	0.218			STDV
						Mean	1.75E+05	5.12	
Agar Bacterial count in wounds recovered Day 8								_	
Treatment	Pig	Biopsy	Dilution	Count	CFU/ml	Log CFU/ml			
			1 -3		2.24E+06	6.35	-		
	1		2 -4			7.06			
B – Saline Gauze		_	6 -3			6.28			
	2		1 -4						
	2		2 -4				STDV		
			3 -3	Mean	2.04E+06 6.05E+06	6.64			
				Weah	0.0512+00	0.04	0.57	I	
mber of organism per g Treatment	P ig	D'	C 1 : 0D	purpose Neutralizer (V)	F ((D)	Biopsy(g) X	CELV	I CEU	
Treatment		Biopsy	Colonies (N)		Factor (D) 1000			Log CFU/g 5.73	
	1		2 29		1000	0.208	2.80E+05	6.45	
			6 48		10000	0.207		5.65	1
B – Saline Gauze			1 34		1000	0.237	2.87E+06	6.46	1
	2		2 123			0.250		6.99	
			3 51			0.223			STDV
	-					Mean	2.82E+06	6.16	
Agar Bacterial count in wounds recovered Day 8								_	
Treatment	Pig	Biopsy	Dilution	Count	CFU/ml	Log CFU/ml			
			3 -4						
	1		7 -4			7.39	4		
C - Untreated Control			8 -4			7.33			
	2		2 -4			7.25	4		
	2		5 -4				OTDU		
			6 -4				STDV 0.10		
				Mean	2.14E+07	/.32	0.10	1	
mber of organism per g				1	1		1	1	r
	Pier		Number of	Volume of ALL	Dilution	Weight			
mber of organism per g Treatment	Pig	Biopsy	Number of Colonies (N)	Volume of ALL purpose Neutralizer (V)	Dilution Factor (D)	Weight Biopsy(g) X	CFU/g	Log CFU/g	

Treatment	P ig		Number of	Volume of ALL	Dilution	Weight			
		Biopsy	Colonies (N)	purpose Neutralizer (V)	Factor (D)	Biopsy(g) X	CFU/g	Log CFU/g	
		3	72	2	10000	0.184	7.83E+06	6.89	
	1	7	61	2	10000	0.173	7.05E+06	6.85	
C – Untreated Control		8	53	2	10000	0.201	5.27E+06	6.72	
C - Uniteated Control		2	44	2	10000	0.250	3.52E+06	6.55	
	2	5	52	2	10000	0.224	4.64E+06	6.67	
		6	39	2	10000	0.250	3.12E+06	6.49	STDV
						Mean	5.24E+06	6.70	0.16

Day 11
PA Agar Bacterial count in wounds recovered Day 11

Treatment	Pig	Biopsy	Dilution	Count	CFU/ml	Log CFU/ml	
		3	-3	22	8.79E+05	5.94	
	1	4	-1	198	7.92E+04	4.90	
A D-miter		5	-2	30	1.20E+05	5.08	
A – Revity		1	-1	94	3.76E+04	4.57	
	2	2	-2	101	4.04E+05	5.61	
		3	-2	46	1.84E+05	5.26	STDV
				Mean	2.84E+05	5.23	0.4

Number of organism per g

Treatment	P ig			Volume of ALL purpose Neutralizer (V)		Weight Biopsy(g) X	CFU/g	Log CFU/g	
	1	3	22	2	1000	0.205	2.15E+05	5.33	
		1	4	198	2	10	0.203	1.95E+04	4.29
A – Revity		5	30	2	100	0.204	2.94E+04	4.47	
A – Kevity		1	94	2	10	0.189	9.95E+03	4.00	
	2	2	101	2	100	0.188	1.07E+05	5.03	
		3	46	2	100	0.233	3.95E+04	4.60	STDV
						Mean	7.01E+04	4.62	0.49

PA Agar Bacterial count in wounds recovered Day 11

Treatment	Pig	Biopsy	Dilution	Count	CFU/ml	Log CFU/ml	
		3	-3	39	1.56E+06	6.19	
B – Saline Gauze	1	4	-3	49	1.96E+06	6.29	
		5	-3	62	2.48E+06	6.39	
B – Sallie Gauze	2	1	-3	32	1.28E+06	6.11	
		2	-3	44	1.76E+06	6.25	
		3	-3	27	1.08E+06	6.03	STDV
				Mean	1.69E+06	6.21	0.13

Number of organism per g

Treatment	P ig					Weight	CELV		
		Biopsy 3	Colonies (N) 39	purpose Neutralizer (V)	Factor (D) 1000	Biopsy(g) X 0.228		Log CFU/g 5.53	
	1	4	49		1000				
B – Saline Gauze		5	62	2	1000	0.232	5.34E+05	5.73	
b buille Guize	2	1	32	2	1000	0.257	2.49E+05	5.40	
		2	44	2	1000	0.228	3.86E+05	5.59	
		3	27	2	1000	0.193	2.80E+05	5.45	STDV
						Mean	3.74E+05	5.56	0.13

PA Agar Bacterial count in wounds recovered Day 11

Treatment	Pig	Biopsy	Dilution	Count	CFU/ml	Log CFU/ml		
C – Untreated Control		1	-4	30	1.20E+07	7.08		
	1	2	-4	29	1.16E+07	7.06		
		6	-3	197	7.88E+06	6.90		
C - Uniteated Control		1	-4	68	2.72E+07	7.43		
	2	3	-4	32	1.28E+07	7.11		
		7	-3	131	5.24E+06	6.72	STDV	
				Mean	1.28E+07	7.05		0.24

Treatment	P ig	Biopsy		Volume of ALL purpose Neutralizer (V)		Weight Biopsy(g) X	CFU/g	Log CFU/g	
		1	30	2	10000	0.218	2.75E+06	6.44	
	1	2	29	2	10000	0.201	2.89E+06	6.46	
C – Untreated Control		6	197	2	1000	0.176	2.24E+06	6.35	
C - Ontreated Control	2	1	68	2	10000	0.236	5.76E+06	6.76	
		3	32	2	10000	0.256	2.50E+06	6.40	
		7	131	2	1000	0.229	1.14E+06	6.06	STDV
						Mean	2.88E+06	6.41	0.23

	Comp	arison between Treatn	nents Day 2		
Depend	lent Variable:				
			Mean		
Days	(I) Treatments	(J) Treatments	Difference (I-	Std. Error	Sig.
Day 4	Baseline	A – Revity	.72333*		.001
2		B – Saline Gauze	-0.09	.16405	.946
		C – Untreated Control	52000*	.16405	.023
	A – Revity	Baseline	72333*	.16405	.001
		B – Saline Gauze	81333*	.16405	.000
		C – Untreated Control	-1.24333*	.16405	.000
	B – Saline Gauze	Baseline	0.09	.16405	.946
		A – Revity	.81333*	.16405	.000
		C – Untreated Control	-0.43		.071
	C – Untreated Control	Baseline	.52000*	.16405	.023
		A – Revity	1.24333*	.16405	.000
		B – Saline Gauze	0.43	.16405	.071
	Comp	arison between Treatn	nents Day 8		
Depend	lent Variable:				
Days			Mean		
Days	(I) Treatments	(J) Treatments	Difference (I-	Std. Error	Sig.
Day 8	Baseline	A – Revity	1.44167*	.24293	.000
		B – Saline Gauze	0.403333333		.370
		C – Untreated Control	-0.135		.944
	A – Revity	Baseline	-1.44167*		.000
		B – Saline Gauze	-1.03833*		.002
		C – Untreated Control	-1.57667*		.000
	B – Saline Gauze	Baseline	-0.40333333		.370
		A – Revity	1.03833*		.002
		C – Untreated Control	-0.53833333		.153
	C – Untreated Control	Baseline	0.135		.944
		A – Revity	1.57667*		.000
		B – Saline Gauze	0.538333333	.24293	.153
	Compa	arison between Treatm	ents Day 11		
Depend	lent Variable:				
Days			Mean		
	(I) Treatments	(J) Treatments	Difference (I-		Sig.
Day 11	Baseline	A – Revity	1.94000*		.000
		B – Saline Gauze	1.00000*		.001
		C – Untreated Control	0.148333333		.890
	A – Revity	Baseline	-1.94000*		.000
		B – Saline Gauze	94000*		.001
		C – Untreated Control	-1.79167*		.000
	B – Saline Gauze	Baseline	-1.00000*		.001
		A – Revity	.94000*		.001
		C – Untreated Control	85167*		.003
	C – Untreated Control	Baseline	-0.14833333		.890
		A – Revity	1.79167*		.000
1		B – Saline Gauze	.85167*	.20742	.003

ependent Variable:					
Treatments			Mean		
meannenns	(I) Days	(J) Days	Difference (I-	Std. Error	Sig.
– Revity	Day 4	Day 8	.71833*	.21862	.0
		Day 11	1.21667*	.21862	.0
	Day 8	Day 4	71833*	.21862	.0
		Day 11	0.498333333	.21862	
	Day 11	Day 4	-1.21667*	.21862	
		Day 8	-0.49833333	.21862	.(

Comparison between Days for B – Saline Gauze

Dependent Variable:

Dependent variable.					
Treatments			Mean		
riedunents	(I) Days	(J) Days	Difference (I-	Std. Error	Sig.
B – Saline Gauze	Day 4	Day 8	0.493333333	.19486	.057
		Day 11	1.09000*	.19486	.000
	Day 8	Day 4	-0.49333333	.19486	.057
	_	Day 11	.59667*	.19486	.020
	Day 11	Day 4	-1.09000*	.19486	.000
	-	Day 8	59667*	.19486	.020

Comparison between Days for C – Untreated Control

Dependent Variable:

Treatments			Mean		
Treatments	(I) Days	(J) Days	Difference (I-	Std. Error	Sig.
C – Untreated Control	Day 4	Day 8	.38500*	.12379	.019
		Day 11	.66833*	.12379	.000
	Day 8	Day 4	38500*	.12379	.019
		Day 11	0.283333333	.12379	.088
	Day 11	Day 4	66833*	.12379	.000
		Day 8	-0.28333333	.12379	.088

REFERENCES

¹ Sullivan TP, Eaglstein WH, Davis SC, and Mertz PM. The pig as a model for human wound healing. Wound Repair and Regeneration 9, 2, 2001, 66-76

⁴ Mertz PM, Marshall DA, Kuglar MA: Povidone iodine in polyethylene oxide hydrogel dressing. Effect on multiplication of *Staphylococcus aureus* in partial-thickness wounds. *Arch. Dermatol.* 112:1133-8, October 1986.

⁵Oliveria MF, Davis SC and Mertz PM: Can occlusive dressing composition influence proliferation of bacterial wound pathogens? *Wounds* 10(1):4-11,1998.

⁶ Mertz PM, Oliverira-Gandia MF and Davis SC: The evaluation of a cadexomer iodine wound dressing on methicllin resistant staphylococcus aureus (MRSA) in acute wounds *Derm Surg 1999;25:89-93*

⁷ Mertz, PM., Davis, SC, Cazzaniga, A., Drosou, A., Eaglstein, W. Barrier and Antibacterial Properties of 2-Octyl Cyanoacrylate Derived Wound Treatment Films *Journal of Cutaneous Medicine and Surgery* 2003;7,1, 1-12.

⁸ Davis SC, Cazzaniga AL, Eaglstein WH, and Mertz PM. Over-The-Counter Antimicrobial Bandages and Proliferation of a Common Wound Pathogen. *Arch Dermatol Res.* 2005 Nov;297(5):190-5.

⁹ Davis SC, Ricotti C, Cazzaniga AL, Welch E, and Mertz PM. Microscopic and Physiological Evidence for Biofilm-Associated Wound Colonization *In-vivo Wound Repair and Regen*: 2008, 16(1):23-9.

¹⁰ Davis SC, Gil J, Solis M, Higa A, Mills A, Simms C, Valencia-Pena P, Li J, Raut V Antimicrobial Effectiveness of Wound Matrices containing Native Extra Cellular Matrix (ECM) with Polyhexamethylene Biguanide (PHMB), Int Wound J. 2021;1–14. DOI: 10.1111/iwj.13600

² Davis SC, Ricotti C, Cazzaniga AL, Welch E, and Mertz PM. Microscopic and Physiological Evidencefor Biofilm-Associated Wound Colonization in-vivo *Wound Rep Reg* 2008 (16); 23–29

³ Mertz PM, Alvarez OM, Smerbeck RV, Eaglstein WH: A new *in vivo* model for the evaluation of topical antiseptics on superficial wounds: The effect of 70% alcohol and povidone-iodine solution. *Arch. Dermatol.* 120:58-62, January 1984.