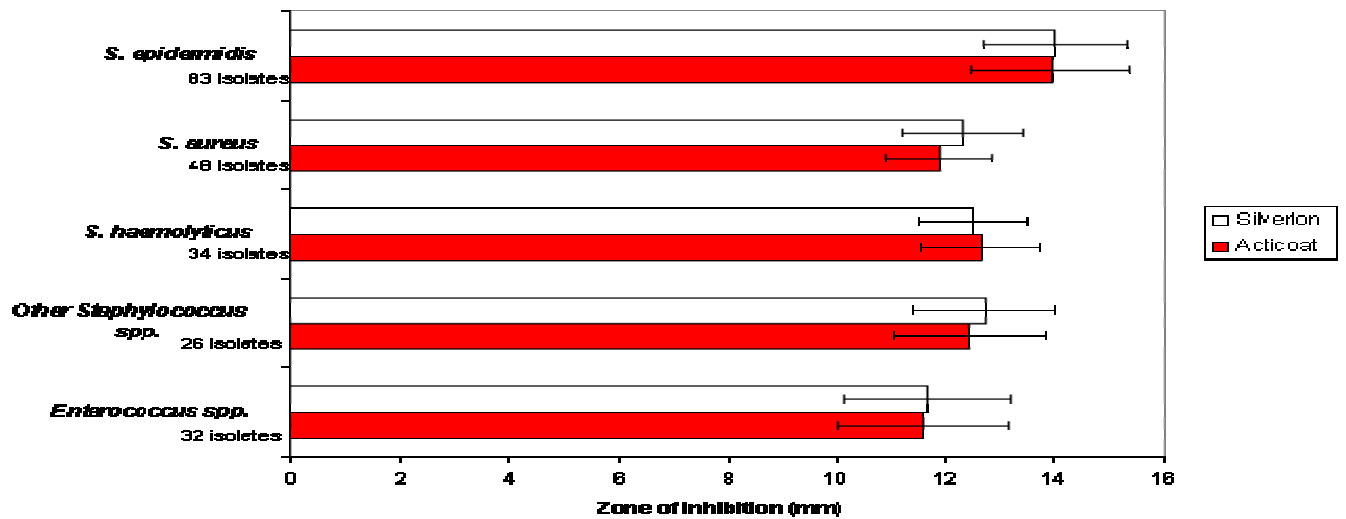


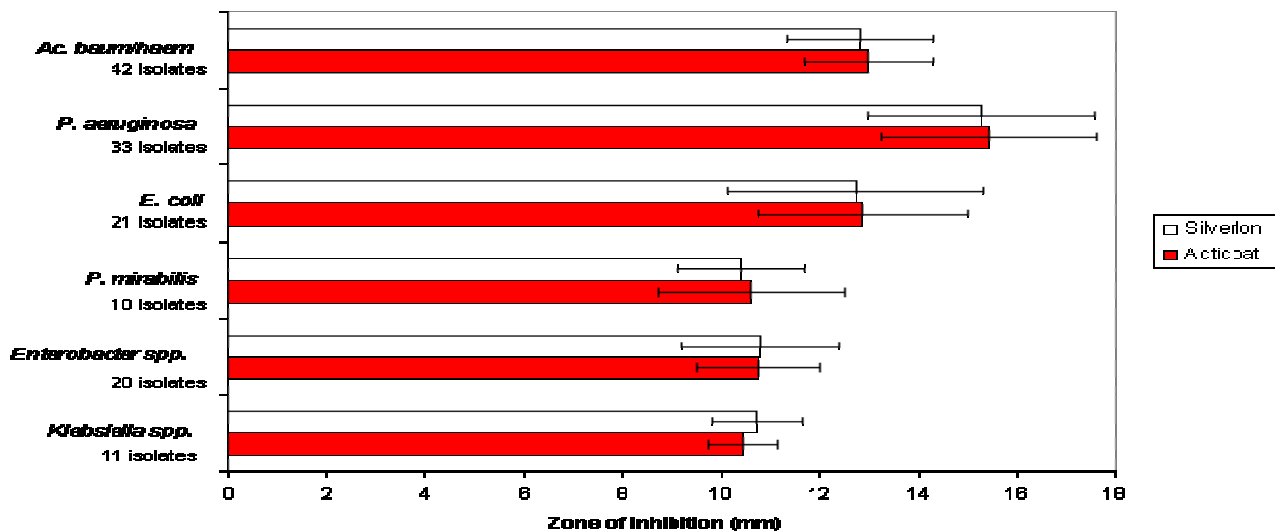
Comparison Silverlon® and Acticoat™ Zones of Inhibition

J.P. Heggers PhD reported in “Acticoat versus Silverlon: The Truth”, Journal of Burns, a comparison of the antimicrobial activity of Acticoat™ and Silverlon® with respect to the Kirby Bauer Zone of Inhibition Test. Three hundred and seventy seven isolates of various bacteria from pediatric burn patients were identified by the MicroScan WalkAway 96 system. Qualitative analysis of the antimicrobial activity was achieved by measuring the zones of inhibition that 1 cm² swatches of Acticoat™ and Silverlon® dressings created on a confluent lawn of bacteria. A total of 227 gram-positive isolates and 150 gram-negative isolates were tested for susceptibility to Acticoat™ and Silverlon®. The differences in the average Kirby Bauer zones of inhibition of Acticoat™ and Silverlon® were not found to be statistically significant.

Gram Positive Bacteria Average Zones of Inhibition



Gram Negative Bacteria Average Zones of Inhibition



Kirby Bauer Average Zones of Inhibition

Bacteria (Number of isolates)	Average Zone of Inhibition	
	Acticoat™	Silverlon®
Gram Positive Bacteria		
S. haemolyticus (34)	12.62 ± 1.07 mm	12.48 ± 0.98 mm
S. aureus (48)	11.85 ± 0.97 mm	12.31 ± 1.09 mm
S. epidermidis (83)	13.90 ± 1.44 mm	13.98 ± 1.32 mm
Other Staphylococcus spp. (26)	12.42 ± 1.38 mm	12.69 ± 1.30 mm
Enterococcus spp. (32)	11.58 ± 1.57 mm	11.66 ± 1.52 mm
Gram Negative Bacteria		
Ac. baum/haem (42)	12.98 ± 1.31 mm	12.80 ± 1.49 mm
P. aeruginosa (33)	15.42 ± 2.18 mm	15.27 ± 2.30 mm
E. coli (21)	12.87 ± 2.13 mm	12.73 ± 2.58 mm
P. mirabilis (10)	10.60 ± 1.90 mm	10.40 ± 1.26 mm
Enterobacter spp. (20)	10.75 ± 1.25 mm	10.80 ± 1.58 mm
Klebsiella spp. (11)	10.45 ± 0.69 mm	10.72 ± 0.90 mm

Note: Graphs and Table reprinted from Journal of Burns