

Microcyn® is Easy-to-Use Solution with Proven Stability.

Proven Stability

Microcyn® demonstrates in vitro activity against a broad spectrum of gram-negative, gram-positive and yeast species in just 30 seconds.

PRESERVATIVE TESTING - Successfully meets USP <51> Category 1 Criteria.

Organisms	Result Day 7	Result Day 14	Result Day 28
<i>P. aeruginosa</i> ATCC 9027	>1 log reduction from the initial calculated count	> 3.0 log reduction from the initial calculated count	No increase from Day 14
<i>E. coli</i> ATCC 8739			
<i>S. aureus</i> ATCC 6538			
<i>C. albicans</i> ATCC 10231	No increase from the initial calculated count	No increase from the initial calculated count	No increase from the initial calculated count
<i>A. niger</i> ATCC 16404			

PRESERVATIVE TIME KILL TESTING

Name of Organism	Log Reduction (30 sec.)	Time to Kill	Percent Reduction
<i>Acinetobacter baumannii</i>	6.3692	30 seconds	99.9999%
<i>Bacteroides fragilis</i>	7.6435	30 seconds	99.9999%
<i>Candida albicans</i>	6.3345	30 seconds	99.9999%
<i>Enterobacter aerogenes</i>	6.0881	30 seconds	99.9999%
<i>Enterococcus faecalis-VRE</i>	6.3646	30 seconds	99.9999%
<i>Enterococcus faecium-VRE MDR</i>	6.5119	30 seconds	99.9999%
<i>Escherichia coli</i>	5.6990	30 seconds	99.9998%
<i>Haemophilus influenzae</i>	5.1775	30 seconds	99.9993%
<i>Klebsiella oxytoca-MDR</i>	6.0492	30 seconds	99.9999%
<i>Klebsiella pneumoniae</i>	6.1430	30 seconds	99.9999%
<i>Micrococcus luteus</i>	5.8420	30 seconds	99.9999%
<i>Proteus mirabilis</i>	6.2028	30 seconds	99.9999%
<i>Pseudomonas aeruginosa</i>	5.8096	30 seconds	99.9998%
<i>Serratia marcescens</i>	5.9978	30 seconds	99.9999%
<i>Staphylococcus aureus-MRSA</i>	6.3454	30 seconds	99.9999%
<i>Staphylococcus aureus</i>	6.2266	30 seconds	99.9999%
<i>Staphylococcus epidermidis</i>	6.0233	30 seconds	99.9999%
<i>Staphylococcus haemolyticus</i>	5.9112	30 seconds	99.9999%
<i>Staphylococcus hominis</i>	5.4456	30 seconds	99.9996%
<i>Staphylococcus saprophyticus</i>	5.9590	30 seconds	99.9999%
<i>Streptococcus pyogenes</i>	6.7160	30 seconds	99.9999%

Note: The solution contains sodium hypochlorite and hypochlorous acid as preservatives to reduce/ prevent the growth of microorganisms within the solution. The effect of this product in the wound bed has not been tested clinically.