

THE SCIENCE OF MICROCYN® TECHNOLOGY

PERFORMANCE TESTING

Microcyn® Skin and Wound Cleanser with preservatives has been evaluated by the USP<51> Antimicrobial Effectiveness Test and in-solution time-kill studies. It has demonstrated effectiveness by reducing the microorganisms listed below and passes the USP Antimicrobial Effectiveness Test for a Category 1 product.

Name of Organism	Log Reduction (30 sec.)	Time to Kill	Percent Reduction
<i>Staphylococcus aureus MRSA</i>	6.34	30 seconds	99.9999%
<i>Enterococcus faecalis VRE</i>	6.36	30 seconds	99.9999%
<i>Staphylococcus aureus</i>	6.23	30 seconds	99.9999%
<i>Escherichia coli</i>	5.70	30 seconds	99.9997%
<i>Acinetobacter baumannii</i>	6.37	30 seconds	99.9999%
<i>Bacteroides fragilis</i>	7.64	30 seconds	99.9999%
<i>Candida albicans</i>	6.33	30 seconds	99.9999%
<i>Enterobacter aerogenes</i>	6.09	30 seconds	99.9999%
<i>Enterococcus faecium VRE - MDR</i>	6.51	30 seconds	99.9999%
<i>Haemophilus influenzae</i>	5.18	30 seconds	99.9993%
<i>Klebsiella oxytoca MDR</i>	6.05	30 seconds	99.9999%
<i>Klebsiella pneumoniae</i>	6.14	30 seconds	99.9999%
<i>Micrococcus luteus</i>	5.84	30 seconds	99.9999%
<i>Proteus mirabilis</i>	6.20	30 seconds	99.9999%
<i>Pseudomonas aeruginosa</i>	5.81	30 seconds	99.9998%
<i>Serratia marcescens</i>	6.00	30 seconds	99.9999%
<i>Staphylococcus epidermidis</i>	6.02	30 seconds	99.9998%
<i>Staphylococcus haemolyticus</i>	5.91	30 seconds	99.9999%
<i>Staphylococcus hominis</i>	5.45	30 seconds	99.9996%
<i>Staphylococcus saprophyticus</i>	5.96	30 seconds	99.9999%
<i>Streptococcus pyogenes</i>	6.72	30 seconds	99.9999%

MICROCYN® TECHNOLOGY MODE OF ACTION

Microcyn® Technology is the only safe and stable wound cleanser containing hypochlorous acid, a compound similar to those naturally produced by the human immune system (neutrophils). The production of hypochlorous acid is generated via a proprietary manufacturing process that enables the solution to remain stable. Clinical studies to date have demonstrated the safety of the product in cleaning and debriding a wide range of wounds.