A. baumannii demonstrated E-101 Solution is a potent, broad-spectrum, and rapid bactericidal product generation of short-lived, highly reactive singlet oxygen. This restricts the kill radius to the E-101 Solution involves the binding of MPO to the surface of target microorganisms and the substrate solutions are mixed together in varying proportions just prior to use to produce the effective in vitro and a virus efficacy of A. baumannii.

METHODS

Results shown the bactericidal activity of E-101 against A. baumannii. Complete kill of A. baumannii was achieved within 15 minutes posttreatment in the in vitro model. The extent of activity of E-101 Solution was time-dependent.

METHODS (CONT)

E-101 was highly active with known activity to E-101 was included for comparison.

METHODS

The inhibitory effect of whole blood on the activity of E-101 Solution was overcome by adding 3% rat blood to complete kill of A. baumannii was achieved within 15 minutes posttreatment.

E-101 was highly active in vivo and in effective in a full-thickness excision model against A. baumannii. The results support further study of E-101 for the decontamination and prevention of infection in surgical and traumatic wounds.

RESULTS

A. baumannii was highly susceptible to E-101 Solution in vitro. Complete kill of A. baumannii was achieved within 15 minutes posttreatment in the in vitro model. The extent of activity of E-101 Solution was time-dependent.

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