

Blood Neutralization Study: Hibiclens® vs. Other Antiseptics

Iodine and other antiseptics can be neutralized by blood, but Hibiclens® remains unaffected at 90 percent blood concentration.

METHOD

BioScience, a US testing laboratory, performed standard time-kill studies by combining Hibiclens, polyvinylpyrrolidone-iodine (PVP-I), alcohol and parachlorometaxylenol (PCMX) with increasing concentrations of blood - 1%, 5%, 10%, 25%, 50%, 60%, 75% and 90%. Except for Hibiclens, effectiveness of the tested antiseptics continued to decline in the presence of increased concentrations of blood, until they showed nearly total ineffectiveness.

RESULTS

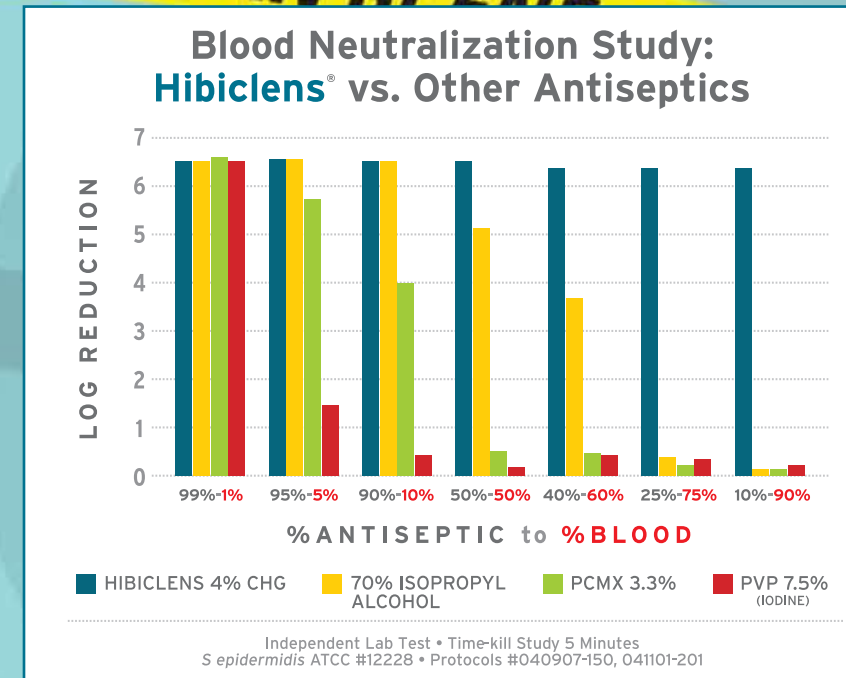
- Hibiclens was the only antiseptic that was still 100% effective at the highest concentration - 90% blood and 10% antiseptic.
- When Hibiclens, Povidone Iodine, Isopropyl Alcohol and PCMX were studied at 1% blood concentration, none were affected. With as little as 5% blood concentration, Povidone Iodine and PCMX began to show decline in efficacy.
- At increasing concentrations, blood neutralized the Povidone Iodine antiseptic, inactivated PCMX, and diluted the alcohol until it became ineffective.

Protocols # 041101-201 and 040907-150



CLEAN SCENE

CLEAN SCENE



The data are illustrated in chart form for log reduction of *S. epidermidis* in five minutes. Protocols # 041101-201 and 040907-150

