

## Clostridium difficile (vegetative) Time-Kill Study

Hibiclens® kills *C. diff* in the vegetative state and helps wash off spores.

### METHOD

*Clostridium difficile* (*C. diff*) presents clinically in two forms - vegetative and spore. A concentration of 99% Hibiclens was tested against vegetative *C. diff*.

### RESULTS

- Hibiclens kills the vegetative state of *C. diff*.

In addition, another study showed that 4% CHG soaps can help remove spores from hands contaminated with *C. diff*.<sup>1</sup>

Protocol # 050132-201

Over time, handwashing with antimicrobials has become one of the most important measures for preventing transmission of pathogens in health care facilities

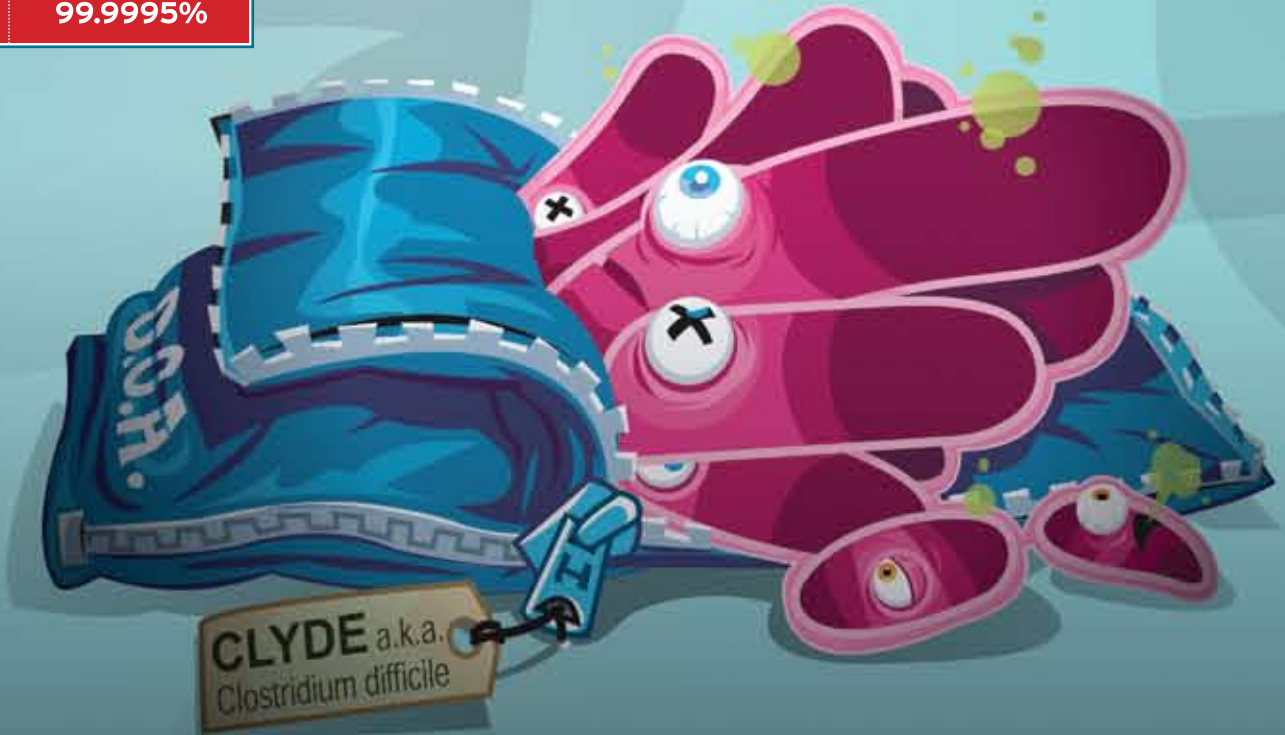
- Guideline for Hand Hygiene in Health-care Settings, CDC MMWR 51(RR16); 1-44. 10/25/02



### Clostridium difficile Vegetative (ATCC #9689) calculated log and percentage reduction following treatment with Hibiclens®

HIBICLENS CONCENTRATION (v/v)	TIME	REDUCTION	
		(log <sub>10</sub> /ml)	%
99%	20 sec	5.3284	99.9995%
	60 sec	5.3284	99.9995%
	5 mins	5.3284	99.9995%
	10 mins	5.3284	99.9995%

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<sup>1</sup> Dale Gerding, New "Insights" in the pathogenesis and risks of *Clostridium difficile*, presented to the Association for Professionals in Infection Control, February 2006.