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BACTERIOLOGY LABORATORY REPORT ON GERM PRO SURFACE DISINFECTANT

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1. Germ Pro Surface Disinfectant was tested to determine the Minimum Inhibitory Concentration against ***Clostridium difficile*** and its spores. In our opinion the disinfectant is effective to at least a 1:7 (Germ Pro:Bacteria) dilution under the conditions of our test.
2. The data in Table 1. support this conclusion.
3. Protocol:
    a. ***Clostridium difficile*** was obtained from American Type Culture Collection and grown for 48 hr at 37°C in an anaerobic chamber in Thyoglycollate Broth Containing: Tryptone Casein 15 g, Yeast extract 5g, Dextrose 5.5 g, NaCl 2.5 g, L-Cysteine 0.5 g and Sodium thioglycollate 0.5 g. The culture was judged microscopically to contain at least 10% endospores.
    b. Culture material was mixed and added to Germ Pro Surface Disinfectant for 24 hr @ 37°C.
    c. Following incubation, 0.10 ml aliquots were plated on agar solidified Thyoglycollate Medium and incubated anaerobically at the same temperature for 24 hr.
    d. Table 1 indicates that no colony forming units were obtained.

Table 1.

Minimum Inhibitory Test – Germ Pro ® Surface Disinfectant					
Serial Dilution*	1.5ml:0.5ml	1ml:1ml	0.75ml:1.25	0.5ml:1.5ml	0.25ml:1.75ml
Bacteria					
***Clostridium difficile* with ~10% spores (cfu/0.10ml)**	0	0	0	0	0

* an overnight culture of *Clostridium difficile* containing >1.0 x 10^8 cfu/ml was incubated with Germ Pro Surface Disinfectant for 24 hours at 37.5 °C. Then 0.10 ml aliquots were spin plated and incubated for 24 hr @ 37°C

Sincerely yours,

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