

K89263-70

6th February 2006

**LABORATORY REPORT**

**SOURCE:** Biotechnics Ltd.

**ITEMS:** AntiBak FG Wipes (26.01.06).

**TESTS:** To determine the effectiveness of AntiBak FG Wipes against *Pseudomonas aeruginosa* and *Staphylococcus aureus*, by artificially contaminating a hard surface with a serum broth suspension of test organisms.

**METHOD:** Based on method supplied by Biotechnics Ltd.  
0.5ml of a suspension of an overnight broth culture of the test organisms ( $10E8$  and  $10E4/ml$ ), enriched with 10% horse serum, was transferred onto a ceramic tile (15x15cm). The suspension was spread over the surface of the tile and allowed to air dry.  
A 25 sq.cm contact plate was used to sample the tile to approximate the pre disinfection challenge level. The surface was the wiped with the test product ( a back and forth motion), after 5 minutes sampled (post disinfection), wiped with a paper towel soaked in sterile water, sampled (post rinse), and wiped dry with a paper towel.  
Additionally a 25 sq.cm area was swabbed 5 minutes after the product had been applied. The swabs were placed in a validated neutraliser solution, plated onto Tryptone Soya Agar and incubated at 37 C for 48hrs. Contact plates were Tryptone Soya Agar containing 1% Tween 80 and 0.3% lecithin - these were incubated at 37 C for 48hrs

**RESULTS:** See attached tables



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Recovery counts from contact plates

Organism/Inoculum	c.f.u./plate			
	Pre Disinfection	Post Disinfection	Post Rinse	Post Dry
S.aureus 10E8	+++	0	0	0
Ps.aeruginosa 10E8	+++	0	0	0
S.aureus 10E4	+++	0	0	0
Ps.aeruginosa 10E4	+++	0	0	0

C.f.u. = colony forming unit  
 +++ = heavy growth

S.aureus ATCC 6538  
 Ps.aeruginosa NCIMB 10421

Swab counts

Organism/Inoculum	Result/swab
S.aureus 10E8	< 10
Ps.aeruginosa 10E8	< 10
S.aureus 10E4	< 10
Ps.aeruginosa 10E4	< 10