

















	Mean Log ₁₀ CFU				
	Starting Log ₁₀	Log ₁₀ CFU on	Transfer		
	CFU on Surface	Hands	Efficiency (%)		
Micrococcus luteus					
Dishcloth	10.44	6.90	0.04		
Faucet (tap)	6.13	5.59	40.03		
Phone receiver	6.60	6.19	41.81		
Laundry (100% cotton)	9.73	6.17	0.13		
Laundry (50:50 cotton/	9.39	5.99	0.06		













Process	Gram Positive LR	Gram Negative LR
Pre –wash at 35° C	0.73 - 2.47	0.70 - 1.16
Main wash at 45° C w/o pre-wash	0.97 - 2.58	1.11 - 2.66
Main wash at 60° C w/o pre-wash	1.34 - >5.56	3.71 - >5.6
E60 + 35: pre-wash at 35° C, main wash at 60° C	1.91 - >7.68	>5.6 - >7.76
Completed main wash at 75° C	>5.56 - >7.88	>5.6 - >7.76
Disinfecting only at 75° C	>5.56 - >7.88	>5.6 - >7.76
Complete 3-step cycle (with disinfection at 80° C)	>5.56 - >7.88	>5.6 - >7.76
 Detergent was mix of anionic and nonionic surfactan Bleach: H₂O₂ agent; Disinfecting agent was peroxyad Starting inocula: 10⁶ – 10⁷ CFU in 1 square cm The disinfecting step by itself could not remove stain E. <i>faecium</i> had the greatest survival; foram positive > 1 	setic acid, H ₂ O ₂ , acet	ic acid





 Disinfectants used in laundry facility: ≥ 59 carriers out of 60 – no growth (carriers inoculated with ≥ 10⁶ microbes)

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Linen Related Areas ar	d Items Cultu	red	Non-linen Related Areas	and Items Cu	ltured
Category	Rhizopus Positive	Samples Tested	Category	Rhizopus Positive	Samples Tested
Linen storage room	6	8	Skin adhesives	0	9
Clean linen delivery bins	10	22	Wound cleaner	0	1
Clean linen in bins	1	3	Ward C	0	8
Linen delivery truck (inside)	1	1	Pharmacy	0	2
Linen bin holding area	1	1	Respiratory equipment room	1	2
Ward A linen closet	2	4	Air handling unit	0	1
Ward B linen closet	3	4	Service entrance	0	1
Ward C linens	0	9			
DR linen closet	2	10			
Linen rewashed in hospital	0	3			
Total	26 (40%)		Total	1 (4%)	
after the case triggering the – changed to a different I	nitial investiga investigation inen supply co entrance for at the time	ation, Hospita was diagnose mpany	al Control Measures I À implemented the following intr d es and a different linen bin holding		ven days 22

ØDC



















	No. of strains	CS (cfu/ml)	3 h		24 h		48 h		72 h	
			CF	BTF	CF	BTF	CF	BTF	CF	BT
A. baumannii	3	3.5×10 ⁶	0	0	0	2.6	0	4.1	0.8	5
E. aerogenes	3	5.8×10 ⁶	0	1.5	0	3.4	2.2	4.3	4	5
E. coli	4 ^b	5.5×10 ⁶	0	0	0	4	2	5	4.5	5
E. faecalis	3	3.8×10 ⁶	0	0	1.8	3.1	2	4	4	4.8
K. pneumoniae	3	4.0×10 ⁶	0	0.6	0	5	4	5	4	5
M. morganii	4 ^b	4.5×10 ⁶	0	0	0	4	4	5	5	5
P. aeruginosa	4 ^b	4.2×10 ⁶	0	0.3	0	4	2	4	5	5
P. aeruginosa mucous	3	3.5×10 ⁶	0	3.8	4.2	5	4.5	5	5	5
P. mirabilis	3	3.5×10 ⁶	0	1.1	0	4	3	4.6	4	5
S. aureus	4 ^b	2.8×10 ⁶	0	1.3	1.5	4.2	3	5	3	5
S. epidermidis	3	3.2×10 ⁶	0	0	1.6	4	3	5	3.2	5

C Effect of Artificial Sweat on Silver Leaching from Treated Fabrics							
3: Initial silv	er content and total s Initial silver content (mg/kg)	lver release in standard formulas of artificial sweat for 24 h Silver released in artificial sweat (mg/kg)					
		AATCC Ph 4.3	ISO Ph 5.5	ISO Ph 8.0	EN Ph 6.5		
A0	n.d.	n.d.	n.d.	n.d.	n.d.		
A1	36.12 ± 22.42	21.01 ± 4.13	15.53 ± 3.62	34.27 ± 2.88	35.83 ± 19.68		
A2	56.57 ± 34.28	33.39 ± 15.80	28.81 ± 10.34	66.54 ± 46.29	77.96 ± 23.80		
A3	95.12 ± 33.12	70.15 ± 37.29	72.69 ± 11.99	82.22 ± 26.99	152.20 ± 36.5		
A4	425.21 ± 93.73	217.61 ± 81.32	177.13 ± 57.13	268.31 ± 131.15	322.21 ± 87.0		
в	n.d.	n.d.	n.d.	n.d.	n.d.		
с	n.d.	n.d.	n.d.	n.d.	n.d.		
D	n.d.	n.d.	n.d.	n.d.	n.d.		
E	15.16 ± 9.90	0.08 ± 0.05	0.01 ± 0.01	0.50 ± 0.30	0.36 ± 0.10		
F	1.22 ± 0.87	n.d.	n.d.	n.d.	0.05 ± 0.00		
6	0.99 + 1.53	nd.	nd	nd	nd		



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