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BACTERICIDAL EFFICACY RESULTS of MICROFIBRE MOPS and CLOTHS PRE and POST LAUNDERING BY THERMAL DISINFECTION AND OTEX

Results of random samples of microfibre collected from hospitals in the UK and then analysed prior to laundry processing to ascertain contamination levels. A comparison was then made between current NHS thermal disinfection guideline HSG(95)18 and OTEX processing. The identity of the sites has been withheld to maintain confidentiality to the hospitals.

A handwritten signature in blue ink, appearing to read "D. O'Connor", is written over a horizontal line.

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BACTERICIDAL EFFICACY RESULTS PRE and POST LAUNDERING ■ = Pre Laundering ■ = Post Laundering CFU/g

Location	Sample – Thermal Disinfection 75°C	Date	TVC (Cfu/g)	Yeasts (Cfu/g)	Moulds (Cfu/g)	S.aureus (Cfu/g)	MRSA (Cfu/g)	C.diff (Cfu/g)
North West	Chefs Uniform Post Thermal T/Dry (Post 48hrs)	23 02 2007	3.9E+02	<1	<1	<1	<1	<1
North West	Chefs Uniform Post Thermal T/Dry	23 02 2007	6.0E+01	<1	<1	<1	<1	3.0E+00
North West	Chefs Uniform Pre Thermal	23 02 2007	9.3E+05	2.7E+03	5.0E+01	1.5E+03	7.0E+00	2.0E+00
North West	Microfibre Mop Post Thermal	23 02 2007	1.8E+03	<1	<1	<1	<1	7.6E+01
North West	Microfibre Cloth Post Thermal	23 02 2007	7.0E+02	<1	<1	<1	<1	4.0E+00
North West	Microfibre Cloth Post Thermal	23 02 2007	4.6E+02	<1	<1	<1	<1	<1
North West	Microfibre Mop Post Thermal	23 02 2007	2.1E+03	<1	<1	<1	<1	2.5E+01
North West	Microfibre Cloth Post Thermal	23 02 2007	1.1E+03	<1	<1	<1	<1	3.0E+01
North West	Microfibre Cloth (Red) Post Thermal T.Dry (Post 48hrs)	23 02 2007	4.8E+03	<1	<1	<1	<1	3.0E+00
North West	Microfibre Cloth (Blue) Post Thermal T.Dry (Post 48hrs)	23 02 2007	1.9E+02	<1	<1	<1	<1	<1
North West	Microfibre Cloth (Red) Post Thermal T/Dry	23 02 2007	7.6E+02	<1	<1	<1	<1	1.9E+01
North West	Microfibre Cloth (Blue) Post Thermal T/Dry	23 02 2007	5.4E+02	<1	<1	<1	<1	<1
North West	Microfibre Cloth (Blue) Post Thermal T/Dry	23 02 2007	7.4E+01	<1	<1	<1	<1	5.0E+00
North West	Microfibre Mop Post Thermal T/Dry	23 02 2007	5.6E+02	<1	<1	<1	<1	7.0E+00
North West	Microfibre Mop Post Thermal T/Dry	23 02 2007	1.9E+02	<1	<1	<1	<1	2.6E+01
North West	Cotton Mop Pre Thermal	23 02 2007	>1.0e10	3.2E+05	2.7E+04	>1.0e6	2.1E+03	2.1E+03
North West	Microfibre Mop Pre Thermal	23 02 2007	>1.0e10	1.3E+05	5.1E+04	>1.0e6	4.1E+03	9.3E+04
North West	Pre Thermal Microfibre Cloth (Blue)	23 02 2007	>1.0e10	2.8E+06	8.2E+05	>1.0e6	1.8E+04	1.9E+02
North West	Pre Thermal Microfibre Cloth (Red)	23 02 2007	>1.0e10	1.3E+07	8.4E+04	3.1E+04	9.0E+01	3.3E+02
North West	24hrs Pre Thermal Microfibre Mop	23 02 2007	>1.0e10	5.0E+06	7.1E+03	>1.0e6	1.7E+04	1.7E+04
North West	24hrs Pre Thermal Microfibre Cloth (Red)	23 02 2007	>1.0e10	2.4E+06	2.6E+04	>1.0e6	3.1E+02	7.1E+02

BACTERICIDAL EFFICACY RESULTS PRE and POST LAUNDERING

■ = Pre Laundering

■ = Post Laundering

CFU/g

Location	Sample – OTEX	Date	TVC (Cfu/g)	Yeasts (Cfu/g)	Moulds (Cfu/g)	S.Aureus (Cfu/g)	MRSA (Cfu/g)	C-diff (Cfu/g)
Nottinghamshire	Pre OTEX Microfibre Mop	20-Oct-06	3.00E+09	9.10E+04	230	780	81	3
Nottinghamshire	Pre OTEX Microfibre Cloth	20-Oct-06	2.90E+04	5.60E+04	1900	450	32	<1
Nottinghamshire	Pre OTEX Cotton Mop	20-Oct-06	5.40E+09	3.90E+04	4.30E+03	1100	19	4
Nottinghamshire	Post OTEX Cotton Mop	20-Oct-06	42	<1	<1	<1	<1	<1
Nottinghamshire	Post OTEX Microfibre Mop	20-Oct-06	78	<1	<1	<1	<1	<1
Nottinghamshire	Post OTEX Apron	20-Oct-06	23	<1	<1	<1	<1	<1
North West	Pre OTEX Microfibre Cloth	25-Oct-06	9.30E+12	TNTC	TNTC	7.50E+10	> 1.0e6	1.40E+08
North West	Pre OTEX Microfibre Mop	25-Oct-06	7.40E+14	TNTC	TNTC	TNTC	> 1.0e6	2.10E+08
North West	Post OTEX Cotton Mop	25-Oct-06	7800	30	50	<1	<1	<1
North West	Pre OTEX Cotton mop	25-Oct-06	4.60E+12	TNTC	TNTC	TNTC	> 1.0e6	7800
North West	Pre OTEX Microfibre Mop	25-Oct-06	9.20E+12	TNTC	TNTC	TNTC	9.20E+05	6.00E+07
North West	Pre OTEX Microfibre Cloth	25-Oct-06	TNTC	TNTC	TNTC	TNTC	6.30E+06	2.10E+05
North West	Post OTEX Microfibre Mop	25-Oct-06	4100	<1	<1	<1	<1	<1
North West	Post OTEX Microfibre Mop	25-Oct-06	800	<1	<1	<1	<1	<1
North West	Post OTEX Microfibre Cloth	25-Oct-06	9700	<1	<1	<1	<1	9
North West	Pre OTEX Microfibre Cloth	8-Nov-06	1.3E+05	3.6E+03	3.4E+02	9.8E+02	1.4E+01	<1
North West	Post OTEX Microfibre Mop	8-Nov-06	2.3E+01	<1	<1	<1	<1	<1
North West	New Disposable	8-Nov-06	1.8E+02	<1	<1	<1	<1	<1
North West	Dirty Disposable Red Cloth	8-Nov-06	3.1E+08	2.6E+04	1.9E+04	7.1E+05	4.5E+01	7.0E+00
North West	Dirty Disposable Blue Cloth	8-Nov-06	7.0E+05	5.1E+03	1.3E+02	2.3E+04	1.8E+01	<1
North West	Pre OTEX Cotton Mop	8-Nov-06	7.1E+08	2.0E+06	7.1E+04	8.2E+04	1.8E+02	1.8E+01
North West	Post OTEX Microfibre Cloth	8-Nov-06	6.2E+01	<1	<1	<1	<1	<1
North West	Post OTEX Cotton Mop	8-Nov-06	1.7E+01	<1	<1	<1	<1	<1
North West	Pre OTEX Microfibre Mop	8-Nov-06	2.1E+06	1.7E+04	3.0E+02	2.1E+04	5.1E+02	<1

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East Anglia	Microfibre Mop Pre OTEX	06-Oct-06	1.30E+07	2.90E+04	2.30E+04	1.90E+04	121	93
East Anglia	Microfibre Cloth Pre OTEX	06-Oct-06	1.90E+08	1.70E+05	4.40E+04	7.00E+03	23	2
East Anglia	Cotton Mop Pre OTEX	06-Oct-06	3.90E+09	1.70E+04	900	270	3	0
East Anglia	Microfibre Cloth Post OTEX	06-Oct-06	30	<1	<1	<1	<1	<1