Your Laundry & Infection Control Partner

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Date: 9th January 2009

Barnet General Hospital Microfibre Bacteriological Monitoring Visit

Dear Anna

Please find attached the microbiological results following the recent visit to ***Barnet General Hospital*** in December 2008. Samples were taken pre/post laundering to evaluate the effectiveness of OTEX disinfection process. Individual microfibre cloths/mops were randomly selected before and after processing with OTEX All samples were handled in an aseptic manner and analysed by an independent laboratory, which is UKAS, accredited, Microsearch Laboratories Ltd.

Routine dipslides were also used to monitor the disinfection process. These were processed in JLA's R & D Laboratory.

Whilst on site the following observations were noted:

- The filters on the oxygen generator and ozone wall unit were found to be blocked. These were cleaned by JLA whilst on site however it should be appreciated that this is the client's responsibility to check the filters on a daily basis and clean as necessary. Blocked filters can have a detrimental effect on both the oxygen and ozone production therefore affecting disinfection.
- The room monitor was constantly warning. This may be as a result of processing small loads. Any further occurrences or any reports from staff should be investigated with a view to improving the ventilation within the room.
- The fascias on the front of the washing machines were incorrect for the programs installed. New label should be sent to site and reinstated.

The results demonstrate the effectiveness of the disinfection of the OTEX process on microfibre cloths and mops. Whilst C.difficile was detected in the pre laundered items no clostridium species was detected in any of the processed cloths or mops.

I trust this meets with your requirements. Should you require any further assistance please do not hesitate to contact Lara Wade (Account Manager) or Jackie Hook (Chemist) on Halifax (01422) 822282.

Table 1: Total Viable Counts (Contact dipslides) incubated at 37°C for 48 hours.

Barnet General Hospital – Total Viable Count (TVC) Log			
Date	**Lab Reference No:**	**Sample Description**	**TVC (cm^2)**
10th December 2008	BA1	Microfibre Mop Pre	Slight Growth 12 cfu/ cm^2
	BA2	Microfibre Cloth Pre	Very Slight Growth 2.5 cfu/ cm^2
	BA3	Microfibre Mop Post	No Growth
	BA4	Microfibre Mop Post	Less than Very Slight Growth <2.5 cfu/cm^2
	BA5	Microfibre Mop Post	No Growth
	BA6	Microfibre Mop Post	No Growth
	BA7	Microfibre Cloth Post	No Growth
	BA8	Microfibre Cloth Post	No Growth
	BA9	Microfibre Cloth Post	No Growth
	BA10	Microfibre Cloth Post	Less than Very Slight Growth <2.5 cfu/cm^2

Key **VSG** Very Slight Growth **SG** Slight Growth **Mod** Moderate Growth **Heavy** Heavy Growth **cfu** Colony Forming Units **TVC** Total Viable Count < Less than

Table 2: Independent Microbiological Results ex Microsearch Laboratories Ltd

Microbiological Test Results Pre/Post OTEX Laundry Process (Cfu/g)										
Sample	**Lab Ref No:**	**State**	***TVC***	***E.coli***	***Salmonella***	***S. Aureus***	***C.diff***	***MRSA***	***Yeasts***	***Moulds***
Microfibre Mop Blue	371	Pre	7.10E+09	4.30E+04	Neg	41900	1300	740	TNTC	4.00E+04
Microfibre Mop Blue	375	Post	1300	<1	Neg	<1	<1	<1	<1	<1
Microfibre Mop Red	372	Pre	TNTC	8.30E+04	Neg	TNTC	7.10E+03	2.10E+04	TNTC	1.90E+04
Microfibre mop red	376	Post	90	<1	Neg	<1	<1	<1	<1	<1
Microfibre Cloth Blue	373	Pre	7.10E+09	400	Neg	TNTC	8.10E+03	7.20E+05	TNTC	3.20E+05
Microfibre Cloth Blue	378	Post	400	<1	Neg	<1	<1	<1	<1	<1
Microfibre Cloth Red	374	Pre	1300	<1	Neg	<1	<1	<1	<1	<1
Microfibre Cloth Red	379	Post	20	<1	Neg	<1	<1	<1	<1	<1

Legend: ***< = Less than.*** ***NEG = Test Negative*** ***Pos =Test Positive***

Pre  ***Post***