



Your Laundry & Infection Control Partner

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Hospital Microfibre Bacteriological Monitoring Visit – Kings Mill Hospital, Nottingham

Date: 30th September 2006

Dear Anna

Please find attached the microbiological results following the recent visit to ***Kingsmill Hospital on 24th September 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.

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.

At the time of the site visit the following observations were made:

- The area around and above the oxygen generator is congested and full of plastic bags. This unit needs to be kept free from any obstruction. Restricting the airflow will have a detrimental effect upon the ozone production process.
- The oxygen generator filter is missing.
- The filters on the OTEX ozone unit were found to be extremely dirty. Blocked filters will have a detrimental effect on the ozone production process.
- Staff were using the Denim cycle rather than the mop cycle for drying.

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: Microsearch Laboratories Ltd Microbiological Results:

 Before
  After

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	296	Before	9.30E+09	9300	NEG	910	32	76	8.20E+05	1.20E+06
Microfibre Mop	298	After	190	<1	NEG	<1	<1	<1	<1	<1
Microfibre Mop	297	Before	4.00E+08	1100	NEG	1730	114	218	6.10E+05	7.10E+04
Microfibre Mop	299	After	500	<1	NEG	<1	<1	<1	<1	<1

Legend: < = Less than **NEG** = Negative **TVC** = Total Viable Count

Site Photographs:



Congested area around oxygen generator



Blocked filter on ozone generator.