



Your Laundry & Infection Control Partner

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### ***Hospital Microfibre Bacteriological Monitoring Visit***

Dear Anna

Please find attached the microbiological results following the recent visit to ***Hinchingsbrooke Hospital*** on 17<sup>th</sup> March 2008. Samples were taken pre/post laundering to evaluate the effectiveness of OTEX disinfection process. Individual microfibre cloths/mops were randomly selected and cut in half. One portion was retained as the pre sample. The other remaining half was processed 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. The level of contamination found on this occasion on the pre laundered items was considered to be extremely high.

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

- The site has only been operational with OTEX for 2 weeks.
- The filters on the OTEX equipment were found to be blocked on both the oxygen generator and ozone unit. This was reported to site during the visit. Both filters were left clean.
- Detergent (approx 25mls) was being dosed into the main wash section of the cycle. This is satisfactory.
- The hardness of the supply water was tested on site and found to be 460ppm CaCO<sub>3</sub>. This is generally considered to be hard water.
- The wash cycles were being processed with ambient temperature water approx. 9°C. This is satisfactory.
- The validation unit paper was found to be trapped inside the unit preventing any further printing. This was rectified at the time of the site visit.
- All cycles at the time of the site visit had validated. 125 batches had been processed during the first week.

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.

<b>Microbiological Test Results Pre/Post OTEX Laundry Process (Cfu/g)</b>										
<b>Sample</b>	<b>Lab Ref No:</b>	<b>State</b>	<b>TVC</b>	<b>E.coli</b>	<b>Salmonella</b>	<b>S. Aureus</b>	<b>C.diff</b>	<b>MRSA</b>	<b>Yeasts</b>	<b>Moulds</b>
Pink Cloth	HB1	Pre	3.90E+10	700	Negative	71800	240	7100	7.20E+06	47000
Pink Cloth	HB7	Post	870	<1	Negative	<1	<1	<1	<1	<1
Pink Cloth	HB2	Pre	9.10E+10	4.50E+02	Positive	24900	>3000	1400	8.00E+07	9800
Pink Cloth	HB8	Post	90	<1	Negative	<1	<1	<1	<1	<1
Blue Cloth	HB3	Pre	1.30E+11	910	Negative	12000	13	290	8.30E+06	23000
Blue Cloth	HB9	Post	710	<1	Negative	<1	<1	<1	<1	<1
Blue Cloth	HB4	Pre	4.00E+10	3.70E+04	Negative	39000	1300	1900	1.40E+07	7800
Blue Cloth	HB10	Post	960	<1	Negative	<1	<1	<1	<1	<1
Dust Mop	HB5	Pre	TNTC	6.20E+07	Positive	46100	>3000	2100	TNTC	9.10E+05
Dust Mop	HB11	Post	300	<1	Negative	<1	<1	<1	<1	<1
M Mop	HB6	Pre	TNTC	1.90E+06	Positive	184000	>3000	3300	TNTC	2.90E+05
M Mop	HB12	Post	460	<1	Negative	<1	<1	<1	<1	<1

**Legend:**

**TNTC = >1.0E+12**

**Figures in red indicate presumptive pathogenic yeasts**