

Ann Byrne Hotel Services Manager Hillingdon Hospital NHS Trust Pield Heath Road Uxbridge UB8 2NN

Date: 9<sup>th</sup> January 2009

## Mount Vernon Hospital Microfibre Bacteriological Monitoring Visit

## Dear Ann

Please find attached the microbiological results following the recent visit to **Mount Vernon 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.

During the site visit the following observations were made:

- Incorrect programme labels were being displayed on the front of the washing machine. To the best of our knowledge site have been sent new programme stickers. Arrangements should be made to send additional stickers.
- The water flow into the machines is very slow and is having an impact on the cycle times. Consideration should be given to fitting a boost pump onto the cold water supply.

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.

Mount Vernon Hospital – Total Viable Count (TVC) Log											
Date	Lab Reference No:	Sample Description	TVC (cm²)								
	MV1	Microfibre Mop Pre	Slight Growth 12 cfu/ cm <sup>2</sup>								
10 <sup>th</sup> December 2008	MV2	Microfibre Cloth Pre	Very Slight Growth 2.5 cfu/ cm <sup>2</sup>								
	MV3	Microfibre Mop Post	No Growth								
	MV4	Microfibre Mop Post	Less than Very Slight Growth <2.5 cfu/cm <sup>2</sup>								
	MV5	Microfibre Mop Post	No Growth								
	MV6	Microfibre Mop Post	No Growth								
	MV7	Microfibre Cloth Post	No Growth								
	MV8	Microfibre Cloth Post	No Growth								
	MV9	Microfibre Cloth Post	No Growth								
	MV10	Microfibre Cloth Post	Less than Very Slight Growth <2.5 cfu/cm <sup>2</sup>								

KeyVSG Very Slight GrowthSG Slight GrowthMod Moderate GrowthHeavy Heavy Growthcfu ColonyForming Units TVC Total Viable Count< Less than</td>

Table 2: Independent Microbiological Analysis 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	367	Pre	3.00E+09	<1	N/D	3.50E+04	192	930	3.10E+07	1900	
Microfibre Mop	369	Post	50	<1	N/D	<1	<1	<1	<1	<1	
Microfibre Cloth Red	368	Pre	2.10E+09	<1	N/D	1.20E+04	300	210	2.60E+07	1.80E+04	
Microfibre Cloth Red	370	Post	<1	<1	N/D	<1	<1	<1	<1	<1	

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



Pre



Post