
The Body Doctor Ltd
Unit 7, Denby Dale Industrial Estate
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FAO: Sue Grant

Order No:
Date Received: 10 DEC 18
Date Tested: 20 FEB 19
Date Reported: 01 MAR 19
Report No: 94M17

- Certificate of Performance -

Test: Assessment of the antibacterial properties of a textile

Sample: 'Sterileyes' fabric

Test Organism:
Staphylococcus aureus ATCC 6538

Method:

Two 20 cm² portions of product were prepared. Each sample piece was inoculated with a suspension of *S. aureus* at approximately 1×10⁵ cfu/mL to the point of saturation. The inoculum was diluted and plated in Tryptone Soya Agar (TSA) to determine the initial bacterial level. The inoculated product portions were held at 24°C at >95% relative humidity for 24 hours. Following this they were each taken to 9 mL diluent (Dil) and shaken to resuspend the inoculated organisms. The resulting suspensions were plated using molten TSA + 0.3% Soya Lecithin + 3% Tween 80 (TSALT). As an untreated control 16 cm² of Whatman No. 1 filter paper was inoculated, incubated and analysed in the same way as the samples. All agar plates were incubated at 31°C for at least 3 days.

Results:

Results from testing previously reported under 90M33B are given below in grey to act as a comparison. This data was generated by testing in an identical manner.

Test of antimicrobial activity

Sample	<i>S aureus</i> CFU / test piece		Percentage reduction
	Initial inoculum	Recovery after 24 hr contact	
Untreated control (filter paper)	1.7×10^5	1.0×10^5	41%
'Sterileyes' fabric	1.7×10^5	<10	>99.99 %
Eyevolve Microwaveable Eye Mask	7.5×10^4	1.1×10^5	0 %
Bruder Eye Compress Moist Heat Professional Model	3.8×10^5	8.8×10^5	0 %
OPTASE Moist Heat Mask	2.0×10^5	2.5×10^6	0 %
Eye Bag (Reusable warm eye compress)	8.8×10^4	**	**

** = count impossible due to pre-existing contamination of the product

Conclusion:

The untreated control and the samples **Eyevolve Microwaveable Eye Mask**, **Bruder Eye Compress Moist Heat Professional Model** and **OPTASE Moist Heat Mask** did not demonstrate a significant reduction in the numbers of recovered *S. aureus* following a 24 hour exposure time.

The sample **'Sterileyes' fabric** demonstrated a greater than 99.99% reduction in the numbers of recovered *S. aureus* following a 24 hour exposure time.

The results of one sample, **Eye Bag (Reusable warm eye compress)**, were not readable due to the very high count of pre-existing bacteria on the product.

The results apply only to the samples tested.



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