



Biomaster

Antibacterial Technology

Antibacterial Test Report

Study report: Determination of the Antibacterial Activity of
Medi-Shower incorporating Biomaster 612
against ESBL.

Client: Multishower GB Ltd
PO Box 307
Londonderry
BT48 4EA

Certificate No. 1027740.507/9773

Dated: 26th June 2015

Study report - Medi-Shower

Summary of Study

To determine the efficacy of Biomaster Antibacterial Technology, **Multishower** submitted **Medi-Shower samples** containing Biomaster 612.

Test Method: ISO 22196:2011

Laboratory: Industrial Microbiological Services Ltd.

Certificate No. 1027740.507/9773



***Staphylococcus aureus** is a Gram-positive cocci bacterium that is a member of the Firmicutes,. It is frequently found in the human respiratory tract and on the skin.*

Summary of Procedure

Samples were tested to ISO 22196:2011. This method is a quantitative test designed to assess the performance of antibacterial properties on hard, non-porous surfaces.

Submitted samples are challenged against stock cultures of ESBL purchased from ATCC.

Samples are inoculated using a known amount of the above cultures and incubated for 24 hours at 37°C according to ISO 22196:2011. TVC (Total Viable Count) of bacteria are then recorded and the percentage of reduction is calculated.

All testing is carried out independently at Industrial Microbiological Services Ltd.



***Escherichia coli** is a Gram-negative, facultatively anaerobic, rod-shaped bacterium of the genus Escherichia. It is commonly found in the lower intestine of warm-blooded organisms.*

Study report - Medi-Shower

Test results

The table below shows the results recorded by Industrial Microbiological Services Ltd using the ISO 22196:2011 standard.

Sample	Species	Contact time		Reduction
		0hrs	24hrs	
Medi-Shower containing Biomaster 612	ESBL	9.8E+03	<11.11	≥ 99.74%

Conclusion

From the results it was seen that when incorporating Biomaster 612 into the Medi-Shower excellent results were achieved against ESBL and antibacterial testing passed.

