



Your Ref:

Our Ref: FB-3918/T/2

Date: 03/02/2005

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Subject : Testing of 'Ion-metrix IMT 2' sample to determine its anti-bacterial effect submitted by Hydroemission Corporation Pte Ltd on 18/01/2005

Test For : Hydroemission Corporation Pte Ltd
Blk 65A Jalan Tenteram
St. Michael's Industrial Estate
Singapore 328958
Attn: Ms Gene Chew

Test Method : Please refer to Appendix for test procedure

Test organism used: *Legionella pneumophila* SG 1 (wild type)

Sample Reference:

Lab Sample ID No.:	Sample Description:
FB3918001	'ION-METRIX IMT2' x 5 pieces

Results:

Test Organisms	Before incubation (cfu/ml)	After incubation (7 days at 18°C)		
		Control (cfu/ml)	Test Sample (cfu/ml)	Kill Efficiency %
<i>Legionella pneumophila</i> SG1 (wild type)	1.7×10^3	1.2×10^2	<1	99.2

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Micro/Test Report/FB3918-2/CTH

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Appendix

Test Procedure to determine the anti-bacterial effect of 'Ion-metrix IMT2'

- 1) 400 ml of sterile water was spiked with *Legionella pneumophila* SG 1 (wild-type) to yield a count of $10^3 - 10^4$ cfu/ml.
- 2) 200 ml of homogenous spiked solution was then transferred into each of 2 sterile beakers.
- 3) Two pieces of 'Ion-metrix IMT2' were aseptically transferred to one of the beakers as Test Sample.
(Recommended usage by client: 1 unit of 'Ion-metrix IMT2' in 100 ml of water or less)
The 2nd beaker was used as a control (without 'Ion-metrix IMT 2').
- 4) Both sealed beakers were incubated simultaneously at 18°C for 7 days
- 5) *Legionella* Count was performed on the 7th day of incubation for the Control and the Test samples.