



**Your Ref:**

**Our Ref: FB-3918/T/1**

**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: *Pseudomonas aeruginosa* (ATCC 9027)

**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>Pseudomonas aeruginosa</i> (ATCC 9027)	2.4 x 10 <sup>5</sup>	36	<1	97

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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 *Pseudomonas aeruginosa* (ATCC 9027) to yield a count of  $10^4 - 10^5$  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 2<sup>nd</sup> 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) Total Bacteria Count was performed on the 7<sup>th</sup> day of incubation for the Control and the Test samples.