



Our Reference : **M088/04/04**
Payment No. : CVL 5224

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By mail


LABORATORY REPORT

Type of examination : Bacteriological
Specimen description : Liquid disinfectant 'Bioact-T DS'
Received from : Okada Ecotech Pte Ltd
Date received : 19.04.04
Date(s) tested : 19.04.04 to 27.04.04
Report :

The above sample was tested according to the method in Annex A.

The results obtained are shown in Annex B.

Date : 27.04.04


Toh Say Ling
Laboratory Microbiologist

Notes : All results in this report are applicable only to the respective specimen(s) tested. This test report shall not be reproduced except in full, without written approval from our laboratory.

Method

1. The test bacterial strains to be used are :
 - i. *Salmonella* Enteritidis phage type 4 (poultry isolate)
 - ii *Salmonella* Typhimurium (poultry isolate)
 - iii *Escherichia coli* O157:H7 (cattle isolate)
 - iv *Actinobacillus pleuropneumoniae* (pig isolate)
 - v *Pateurella multocida* (ATCC 12948)
 - vi *Salmonella choleraesuis* (ATCC 10708)
 - vii *Escherichia coli* (poultry isolate)
2. The concentration of 'Bioact-T DS' to be tested is 1:79 dilution of product.
3. Duplicates of 0.1 ml of each bacterial inoculum (at least 10^4 cells - initial cell count to be determined) are each added to 20 ml of diluted disinfectant in (2). The mixture is allowed to stand for 45 minutes and 60 minutes at room temperature (25 ± 2 °C).
4. At 45 minutes and 60 minutes, 1 ml of each mixture is transferred to 9 ml of D/E Neutralising Broth (Difco 281910). 0.1 ml aliquot is used for bacterial count by spread plate technique.

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Annex B

Test micro-organism	Initial count of test micro-organism per ml of test mixture	Average count of surviving test micro-organism per ml of test mixture at 45 min and 60 min	Percentage of test micro-organism inactivated at 45 min and 60 min
<i>Salmonella</i> Enteritidis phage type 4 (poultry isolate)	41 x 10 ⁶	0	100%
<i>Salmonella</i> Typhimurium (poultry isolate)	91 x 10 ⁶	0	100%
<i>Escherichia coli</i> O157:H7 (cattle isolate)	47 x 10 ⁶	0	100%
<i>Pateurella multocida</i> (ATCC 12948)	19 x 10 ⁶	0	100%
<i>Salmonella choleraesuis</i> (ATCC 10708)	57 x 10 ⁶	0	100%
<i>Escherichia coli</i> (poultry isolate)	95 x 10 ⁶	0	100%
<i>Actinobacillus pleuropneumoniae</i> (pig isolate)	28 x 10 ⁶	0	100%

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