

# BIOTEST LABORATORIES PTY LTD

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16<sup>th</sup> July 2007

Our Ref: 152009

Dr M Reynolds  
Managing Director  
NeuMedix Biotechnology Pty Ltd  
PO Box 82  
UNDERWOOD QLD 4119

Your Ref:

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Dear Sir,

**Re: CHALLENGE TEST – MAC 10% WATER SOLUBILISED USING VITAMIN E**

A sample was tested as received at the laboratory on the 17<sup>th</sup> of January 2007. As requested on the 4<sup>th</sup> of June 2007, this sample was analysed to evaluate the performance of the product against *Proteus vulgaris* on the 28<sup>th</sup> of June 2007. The test condition and results are as follows which pertain only to the sample as tested:-

Sample Description MAC 10% Water Solubilised using Vitamin E  
Batch 4

Biotest Sample No 701776

Challenge Organism *Proteus vulgaris* NCTC 4635

**TEST RESULTS**

*Proteus vulgaris*

Product Dilution	Inoculum Count (cfu)	Time after inoculation	<i>Proteus vulgaris</i> Recovery Count (cfu per mL)	
			Control	Test
50 ppm	1.4x10 <sup>8</sup>	5 minutes	6.1x10 <sup>6</sup>	<10
		15 minutes	4.8x10 <sup>6</sup>	<10
		30 minutes	6.3x10 <sup>6</sup>	<10
25 ppm	1.4x10 <sup>8</sup>	5 minutes	6.1x10 <sup>6</sup>	2.6x10 <sup>6</sup>
		15 minutes	4.8x10 <sup>6</sup>	5.3x10 <sup>2</sup>
		30 minutes	6.3x10 <sup>6</sup>	<10

Kw  
100%  
100%  
100%

99.99  
100%

**Chemists & Microbiologists**