



# Abbott Analytical



Consulting Scientists to the Disinfectant Industry

## Certificate of Analysis

**Sample(s) :** One sample of Remuvit

**Received from:** Klenitise Ltd. 14 Cherry Grove, Sketty, Swansea, SA2 8AS

**Date received:** 8 March 2010      **Date tested:** 22 June 2010

**Certificate no:** 10C.035Mr-KR.CLE      **Certificate date:** 25 June 2010

**Sample ref:** 10C/035      **Page:** 1 of 2

**Analysis required:** EN 13727, Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants for instruments used in the medical area - Test method and requirements (phase 2, step 1)

  

**Product stored at:** Room temperature

**Active substance:** Not declared

**Test conditions:** 'Clean'

**Interfering substance:** 3.0g/l bovine albumin

**Product test concentration:** Neat as received  
(80% in test suspension)

**Product diluent used during test:** N/A

**Contact time:** 5 minutes

**Test temperature:** 20°C ± 0.5°C

**Neutralising solution:** 30g/l polysorbate 80, 3g/l lecithin,  
1g/l histidine, 1g/l cysteine

**Incubation temperature:** 37°C ± 1°C

**Identification of bacterial strain(s) used:** Methicillin-resistant      NCTC 12493  
*Staphylococcus aureus*

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## Test results:

<b>Test Organism</b>	<b>MRSA</b>		
<b>Validation Suspension</b>	10 <sup>-1</sup>	Vc1 522	Vc2 470
		Nv0 4.96	x10 <sup>3</sup>
<b>Experimental Control</b>	10 <sup>0</sup>	Vc1 464	Vc2 438
		A 4.51	x10 <sup>2</sup>
<b>Neutraliser Control</b>	10 <sup>0</sup>	Vc1 426	Vc2 378
		B 4.02	x10 <sup>2</sup>
<b>Method Validation</b>	10 <sup>0</sup>	Vc1 362	Vc2 316
		C 3.39	x10 <sup>2</sup>
<b>Test Suspension</b>	10 <sup>-6</sup>	Vc1 364	Vc2 270
	10 <sup>-7</sup>	Vc1 28	Vc2 42
		N 3.34	x10 <sup>8</sup>
<b>Results</b>	10 <sup>-2</sup>	Vc1 3	Vc2 5
		Na 4.00	x10 <sup>2</sup>
		R 8.34	x10 <sup>5</sup>
<b>Log<sub>10</sub> Reduction</b>	5.92		

Vc = Viable count  
 Nv = cfu/ml in the validation suspension  
 N = cfu/ml in the test suspension  
 Na = cfu/ml in the test mixture  
 R = Reduction in viability

## Requirements & Conclusion:

To pass EN 13727 a log<sub>10</sub> reduction of at least 5 is required within 5 minutes.

This batch of Remuvit, when used neat, [passes the requirements of EN 13727 for bactericidal activity](#) in 5 minutes at 20°C under 'clean' conditions against the reference organism detailed.

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