



# Abbott Analytical



Consulting Scientists to the Disinfectant Industry

## Test Report

**Product name:** Safe4 Disinfectant Cleaner

**Batch or ref no:** Batch 1999, Best before 9/2/19

**Manufacturer or supplier:** Safe Solutions (Safe4) Ltd  
Wharton Green House, Bostock Road, Winsford, CW7 3BD

**Sample ref:** 17D/007                      **Date received:** 7 April 2017

**Date tested:** 5 May 2017                      **Certificate date:** 11 May 2017

**Certificate no:** 17D.007VSq.SSL                      **Page:** 1 of 3

**Analysis required:** EN 1656:2009, Chemical disinfectants and antiseptics -  
Quantitative suspension test for the evaluation of  
bactericidal activity of chemical disinfectants and  
antiseptics used in the veterinary area - Test method and  
requirements (phase 2, step 1)

**Storage conditions:** Room temperature in darkness

**Appearance of product (solution):** Dark green liquid

**Active substance(s) and their concentration(s):** Not disclosed

### Notes

The test results in this report relate only to the sample(s) tested.  
This test report may not be reproduced except in full, adapted, altered or used  
to create a derivative work, without written approval from Abbott Analytical.

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## Experimental conditions

**Concentration(s) of product tested:** 1:50 & 1:100 v/v

**Product diluent:** Sterile hard water (300mg/l CaCO<sub>3</sub>)

**Test organism(s):** *Streptococcus equi* subsp *equi*  
(DSM 20561)

**Contact time(s):** 5 min ± 10s

**Test temperature:** 10°C ± 1°C

**Test conditions:** High-level soiling

**Interfering substance:** 10g/l bovine albumin +  
10g/l yeast extract

**Method:** Dilution-neutralisation

**Neutralising solution:** 30g/l Polysorbate 80 + 3g/l Lecithin +  
1g/l L-histidine + 1g/l L-cysteine

**Incubation temperature:** 36°C ± 1°C

## Conclusion

When tested at concentrations of 1:50 and 1:100 this sample of Safe4 Disinfectant Cleaner meets the requirements of EN 1656:2009 for bactericidal activity in 5 minutes at 10°C, under high-level soiling conditions, against the referenced strain of *Streptococcus equi* subsp *equi*.

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**Results: Streptococcus equi subsp equi (DSM 20561)**

**Validation and controls:**

Validation suspension (Nv <sub>o</sub> )			Experimental conditions control (A)			Neutralizer or filtration control (B)			Method validation (C)		
Vc1	46	$\bar{x} =$	Vc1	44	$\bar{x} =$	Vc1	42	$\bar{x} =$	Vc1	48	$\bar{x} =$
Vc2	49	47.5	Vc2	38	41	Vc2	36	39	Vc2	46	47
30 ≤ $\bar{x}$ (Nv <sub>o</sub> ) ≤ 160 ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			$\bar{x}$ (A) ≥ 0.5 x $\bar{x}$ (Nv <sub>o</sub> )? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			$\bar{x}$ (B) ≥ 0.5 x $\bar{x}$ (Nv <sub>o</sub> )? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			$\bar{x}$ (C) ≥ 0.5 x $\bar{x}$ (Nv <sub>o</sub> )? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		

**Test suspension:  
(N and N<sub>o</sub>)**

N	Vc1	Vc2	$\bar{x}$ (wm) = 1.76 x10 <sup>8</sup> ; lg N = 8.25
10 <sup>-6</sup>	167	184	N <sub>o</sub> = N/10 ; lg N <sub>o</sub> = 7.25
10 <sup>-7</sup>	16	21	7.17 ≤ lg N <sub>o</sub> ≤ 7.70 ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Control of weighted mean counts (N)			Quotient = 9.49 Between 5 and 15 ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no

**Test:**

Product test conc.	Contact time	Vc1	Vc2	N <sub>a</sub> = ( $\bar{x}$ x10)	lg N <sub>a</sub> =	lg R = (lg N <sub>o</sub> - lg N <sub>a</sub> )	Status
1:50	5 min	0	0	< 140	< 2.15	> 5.10	PASS
1:100	5 min	2	0	< 140	< 2.15	> 5.10	PASS

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