



# Abbott Analytical



Consulting Scientists to the Disinfectant Industry

## Test Report

**Product name:** Safe4 Instrument Disinfectant

**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:** 3 May 2017                      **Report date:** 29 May 2019

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**Analysis required:** EN 14204:2012, Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of mycobactericidal 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.

Report re-issued with updated product name. Original report 17D.007VM.SSL, dated 31 May 2017.

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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):** *Mycobacterium avium* (DSM 44157)

**Contact time(s):** 30 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 Instrument Disinfectant meets the requirements of EN 14204:2012 for mycobactericidal activity in 30 minutes at 10°C, under high-level soiling conditions, against the referenced strain of *Mycobacterium avium*.

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**Results: *Mycobacterium avium* (DSM 44157)**

**Validation and controls:**

Validation suspension (Nv <sub>o</sub> )			Experimental conditions control (A)			Neutralizer or filtration control (B)			Method validation (C)		
Vc1	41	κ =	Vc1	36	κ =	Vc1	40	κ =	Vc1	34	κ =
Vc2	32	36.5	Vc2	31	33.5	Vc2	46	43	Vc2	42	38
30 ≤ κ (Nv <sub>o</sub> ) ≤ 160 ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			κ (A) ≥ 0.5 x κ (Nv <sub>o</sub> ) ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			κ (B) ≥ 0.5 x κ (Nv <sub>o</sub> ) ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			κ (C) ≥ 0.5 x κ (Nv <sub>o</sub> ) ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		

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

N	Vc1	Vc2	κ <sub>wm</sub> = 4.00 x 10 <sup>8</sup> ; lg N = 8.60
10 <sup>-6</sup>	>330	>330	N <sub>o</sub> = N/10 ; lg N <sub>o</sub> = 7.60
10 <sup>-7</sup>	43	37	7.48 ≤ lg N <sub>o</sub> ≤ 7.90 ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Control of weighted mean counts			Quotient = 8.25 Between 5 and 15 ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no

**Test:**

Product test conc.	Contact time	Diln. step	Vc1	Vc2	lg Na = lg (κ <sub>wm</sub> x 10)	lg R (lg N <sub>o</sub> = 7.60)	Status
1:50	30 min	10 <sup>0</sup>	3	0	< 2.15	> 5.45	PASS
		10 <sup>-1</sup>	0	0			
1:100	30 min	10 <sup>0</sup>	4	2	< 2.15	> 5.45	PASS
		10 <sup>-1</sup>	0	1			

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