



EN ISO/IEC 17025
L236

EVS-EN 14563:2009
INTERFLO OÜ
LABORATORY
Maagi 5, 74114, Maardu,
Estonia
Tel.+372 58098890
e-mail: norbak@norbak.ee

**Quantitative carrier test for the evaluation of mycobactericidal or tuberculocidal activity of chemical disinfectants in the medical area
(phase 2, step 2)**

TEST REPORT no 784
ZHIVAS LTD
14 Assen Jordanov Blvd. 1592, Sofia, Bulgaria
2023/02/27

1. Client:

Date of order:

2. Identification of sample

Name of the product:

Batch number:

Manufacturer:

Date of delivery:

OXISEPT
173_01.2023
ZHIVAS LTD
2023/02/24

Microbiologist
Ljudmila Shljapnikova
Ph.D.
Head of the Laboratory



Storage conditions: Room temperature, darkness
Appearance of the product: White powder
Recommended diluent: Water
Active substance and concentration: Sodium percarbonate – 30 - 50 %; TAED – 15 - 25 %

3. Test conditions

Test period: 2023/03/01 – 2023/03/21
Date of test: 2023/03/01
Product test concentrations: 0,75 %, 1,0 %, 1,5 %
Exposure time: 15 min
Test temperature: 19,5 ± 0,5°C
Temperature of incubation: 36,5 ± 0,5°C
Organic load: 0,3 g/l bovine albumine for low-level soiling
Neutralizer: Polysorbate 80, 30 g/l, Lecithin, 3 g/l, Sodium thiosulphate, 5 g/l
Test organisms: Mycobacterium terrae ATCC 15755, Mycobacterium avium ATCC 15769
dilution neutralisation
see annex

4. Method

5. Results

6. Conclusion

In accordance with EVS-EN 14563:2009, the product OXISEPT (173_01.2023) with concentration 0,75 % possesses mycobactericidal and tuberculocidal activity in carrier tests in 15 min at 20 °C under clean condition for referenced strains Mycobacterium terrae ATCC 15755 and Mycobacterium avium ATCC 15769. The product OXISEPT (173_01.2023) demonstrates at least than 4 logarithms of reduction.
The conclusion is true only for the studied sample of the product OXISEPT (173_01.2023).

Total 8 pages

Annex on 6 pages

Maardu, 2023/03/21

Microbiologist
Ljudmila Shljapnikova
Ph.D.
Head of the Laboratory



Annex 1

VALIDATION AND CONTROLS

Test organism	Validation suspension Nvo -1			Experimental conditions control A			Neutralizer control B			Method validation C Concentration 1,5 %		
	Vc1	Vc2	\bar{X}	Vc1	Vc2	\bar{X}	Vc1	Vc2	\bar{X}	Vc1	Vc2	\bar{X}
Mycobacterium terrae ATCC 15755	39	47	43	42	40	41	35	38	37	37	44	41
Mycobacterium avium ATCC 15769	70	67	69	65	69	67	58	60	59	72	64	68
	$30 \leq \bar{X} \text{ of } Nvo \leq 160$			$\bar{X} \text{ of } A \text{ is } \geq 0.5\bar{X} \text{ of } Nvo$			$\bar{X} \text{ of } A \text{ is } \geq 0.5\bar{X} \text{ of } Nvo$			$\bar{X} \text{ of } A \text{ is } \geq 0.5\bar{X} \text{ of } Nvo$		

Microbiologist
Ljudmila Shljapnikova
Ph.D.
Head of the Laboratory



Annex 2

TEST SUSPENSIONS

Test organisms	Dilution range	Vc1	Vc2	N
Mycobacterium terrae ATCC 15755	-7 -8	>300 56	>300 44	$N = 5,0 \times 10^9 = \lg 9,7$ $9,17 \leq \lg N \leq 9,70$
Mycobacterium avium ATCC 15769	-7 -8	>300 40	>300 54	$N = 4,7 \times 10^9 = \lg 9,67$ $9,17 \leq \lg N \leq 9,70$

Microbiologist
Ljudmila Shljapnikova
Ph.D.
Head of the Laboratory

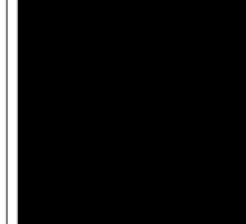


Annex 3

Water control Nw

Test organisms	N	Vc1	Vc2	Nw
Mycobacterium terrae ATCC 15755	-5 -6	80 10	92 13	$Nw = 88,63 \times 10^6 = \mathbf{lg\ 7,95}$ $6,15 \leq \lg Nw \leq (\lg N-1,3) \mathbf{8,38}$
Mycobacterium avium ATCC 15769	-5 -6	65 8	78 9	$Nw = 72,73 \times 10^6 = \mathbf{lg\ 7,86}$ $6,15 \leq \lg Nw \leq (\lg N-1,3) \mathbf{8,32}$

Microbiologist
Ljudmila Shljapnikova
Ph.D.
Head of the Laboratory



Annex 4

TEST 1

Test organism	Dilution range	Vc1	Vc2	Na x 10	Ig Na	Ig R	Concentration	Contact time
Mycobacterium terrae ATCC 15755	1	0	0	<140	<2,15	>5,8	0,75 %	15 min
	-1	0	0					
	-2	0	0					
	-3	0	0	<140	<2,15	>5,8	1,0 %	15 min
	1	0	0					
	-1	0	0					
	-2	0	0	<140	<2,15	>5,8	1,5 %	15 min
	-3	0	0					
	1	0	0					
	-1	0	0	<140	<2,15	>5,8	1,5 %	15 min
	-2	0	0					
	-3	0	0					

Microbiologist
Ljudmila Shljapnikova
Ph.D.
Head of the Laboratory

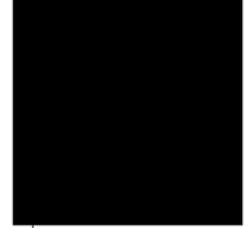


Annex 5

TEST 2

Test organism	Dilution range	Vc1	Vc2	Na x 10	Ig Na	Ig R	Concentration	Contact time
Mycobacterium avium ATCC 15769	1	0	0	<140	<2,15	>5,71	0,75 %	15 min
	-1	0	0					
	-2	0	0					
	-3	0	0	<140	<2,15	>5,71	1,0 %	15 min
	1	0	0					
	-1	0	0					
	-2	0	0	<140	<2,15	>5,71	1,5 %	15 min
	-3	0	0					
	1	0	0					
	-1	0	0	<140	<2,15	>5,71	1,5 %	15 min
	-2	0	0					
	-3	0	0					

Microbiologist
Ljudmila Shljapnikova
Ph.D.
Head of the Laboratory



Annex 6

$$N = c / (n1 + 0,1 n2) \times 10^{-8}$$

$$Na, Nw = c \times 10 / n$$

$$R = \lg Nw - \lg Na$$

N – is the number of colonies for 1 ml test suspension
Vc1, Vc2 - is the number of colonies for 1 ml sample
n – is the number of Vc-values taken into account
R – reduction

Microbiologist
Ljudmila Shljapnikova
Ph.D.
Head of the Laboratory

