

AL- BIOSERVICES

Laboratory Testing Services

Test Report for Handrub/Sanitiser Products
BS EN 13727:2012+A2:2015



Company Name: MEDISANITIZE

Company Address: B5 BUCKSHAW LINK, BUCKSHAW VILLAGE, CHORLEY.PR7 7EL

Product Name: MEDISANITIZE ALCOHOL WIPES (HAND WIPES / SURFACE WIPES)

Purchase Order No: PO1001

Report Date: 04/09/2020

Report Number: MEDAL1712A

Sample Details:

Manufacture / Supplier..... MEDISANITIZE

Product storage conditions:..... Ambient

Appearance of the product (as supplied)..... Colourless liquid

Appearance of the product (after dilution)..... N/A

Appearance of product with interfering substance and test organism: Colourless liquid

Active substance and concentration..... 70% Isopropyl Alcohol

Product dilutions/concentrations..... Ready to Use (RTU)

Diluent used to dilute product..... N/A

Incubation temperature: 36 degrees

The test product was in satisfactory condition for testing when received.

Date product received: 06/08/20

Test Date: 19/08/20

Experimental Conditions:

Interfering substance: Bovine Albumin (dirty 3.0g/l) plus 3ml/l erythrocytes

Test temperature: 18 to 25°C

Contact time: 5 Minutes

Test organisms: Pseudomonas aeruginosa ATCC 15442
Staphylococcus aureus ATCC 6538
Enterococcus hirae ATCC 10541



TECHNICAL CENTRE: - TOPLEY HOUSE, OFFICE 7,
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Requirements of the Standard:

The test product shall demonstrate at least a 5 decimal logarithm (lg) reduction when tested in accordance with this standard under simulated clean or dirty conditions.

Conclusion:

For the product Wipes, [Batch:001] the log reduction requirements as specified in EN 13727 (5 lg within the relevant contact time) were met for dirty conditions and a contact time of 5 minutes.

Test Results:

Neutralisation Method Used:

Dilution neutralisation by pour plate

Neutraliser used: N1

Pseudomonas aeruginosa ATCC 15442

Validation and controls												Ref No		1712A
Validation suspension (NvB) x 10 ³			Validation suspension (Nv _o)			Experimental conditions control (A)			Neutralizer control (B)			Method validation (C) Product conc: RTU%		
Vc 1	58	\bar{X} =	Vc 1	63	\bar{X} =	Vc 1	52	\bar{X} =	Vc 1	59	\bar{X} =	Vc 1	66	\bar{X} =
Vc 2	47	52.5	Vc 2	50	56.5	Vc 2	43	47.5	Vc 2	42	50.5	Vc 2	40	53
3.0x10 ⁴ ≤ X of NvB ≤ 1.6x10 ⁵ ? Yes			30 ≤ X of Nv _o ≤ 160? Yes			X of A is ≥ 0.5 x X of Nv _o ? Yes			X of B is ≥ 5.0x10 ⁻⁴ x X of NvB ? Yes			X of C is ≥ 0.5 x X of Nv _o ? Yes		

Test suspension and test

Test suspension (N and N ₀):	N	Vc 1	Vc 2	X m 4.40E+08 ; lg N = 8.64 N ₀ = N / 10 ; lg N ₀ = 7.64 7.17 ≤ lg N ₀ ≤ 7.70 ? Yes \bar{X} quotient = >5 and <15 ? N/A
	10 ⁻⁶	>330	>330	
	10 ⁻⁷	45	43	

Conc. of the product (%)	Vc 1	Vc 2	Na = \bar{X} x 10	lg Na	lg R N ₀ =	Contact time	Result
RTU%	<14	<14	1.40E+02	<2.15	7.64 >5.50	5 Minutes	Pass



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Staphylococcus aureus ATCC 6538

Validation and controls												Ref No		1712A
Validation suspension (NvB) x 10 ³			Validation suspension (Nv _o)			Experimental conditions control (A)			Neutralizer control (B)			Method validation (C) Product conc: RTU%		
Vc 1	54	\bar{X} =	Vc 1	69	\bar{X} =	Vc 1	62	\bar{X} =	Vc 1	63	\bar{X} =	Vc 1	60	\bar{X} =
Vc 2	48	51	Vc 2	49	59	Vc 2	53	57.5	Vc 2	52	57.5	Vc 2	49	54.5
3.0x10 ⁴ ≤ X of NvB ≤ 1.6x10 ⁵ ? Yes			30 ≤ X of Nv _o ≤ 160? Yes			X of A is ≥ 0.5 x X of Nv _o ? Yes			X of B is ≥ 5.0x10 ⁻⁴ x X of NvB ? Yes			X of C is ≥ 0.5 x X of Nv _o ? Yes		

Test suspension and test

Test suspension (N and N _o):	N	Vc 1	Vc 2	X m 5.00E+08 ; lg N = 8.70 N _o = N / 10 ; lg N _o = 7.70 7.17 ≤ lg N _o ≤ 7.70 ? Yes \bar{X} quotient = >5 and <15 ? N/A
	10 ⁻⁶	>330	>330	
	10 ⁻⁷	53	47	

Conc. of the product (%)	Vc 1	Vc 2	Na = \bar{X} x 10	lgNa	lgR N _o = 7.70	Contact time	Result
RTU%	<14	<14	1.40E+02	<2.15	>5.55	5 Minutes	Pass

Enterococcus hirae ATCC 10541

Validation and controls												Ref No		1712A	
Validation suspension (NvB) x 10 ³			Validation suspension (Nv o)			Experimental conditions control (A)			Neutralizer control (B)			Method validation (C) Product conc: RTU%			
Vc 1	60	X̄ = 52.5	Vc 1	55	X̄ = 49.5	Vc 1	64	X̄ = 62.5	Vc 1	59	X̄ = 54	Vc 1	54	X̄ = 53.5	
Vc 2	45		Vc 2	44		Vc 2	61		Vc 2	49		Vc 2	53		
3.0x10 ⁴ ≤ X̄ of NvB ≤ 1.6x10 ⁵ ? Yes			30 ≤ X̄ of Nv o ≤ 160? Yes			X̄ of A is ≥ 0.5 x X̄ of Nv o? Yes			X̄ of B is ≥ 5.0x10 ⁻⁴ x X̄ of NvB ? Yes			X̄ of C is ≥ 0.5 x X̄ of Nv o ? Yes			

Test suspension and test

Test suspension (N and N _o):	N	Vc 1	Vc 2	X m 4.00E+08 ; lg N = 8.60 N _o = N / 10 ; lg N _o = 7.60 7.17 ≤ lg N _o ≤ 7.70 ? Yes \bar{X} quotient = >5 and <15 ? N/A
	10 ⁻⁶	>330	>330	
	10 ⁻⁷	45	35	

Conc. of the product (%)	Vc 1	Vc 2	Na = \bar{X} x 10	lgNa	lgR N _o = 7.60	Contact time	Result
RTU%	<14	<14	1.40E+02	<2.15	>5.46	5 Minutes	Pass



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