

BS EN 1276:2009

Client Details: Technical Textile Services Ltd

Client Contact Name: Gemma Maguire
Client Email: gemmamaguire@techtex.co.uk

Purchase Order Number: -

Date Of Report: 30/10/17

MelBec Reference Number: 3903
No. of samples: 1

Sample Details:

Name of Product:	Clinitex Food Probe Disinfection Wipes R503
Batch Number:	0431197 Exp:12/10/19
Manufacturer / Supplier:	Technical Textile Services Ltd
Product Storage conditions:	Ambient
Appearance of the Product (as supplied):	Wipes with a clear liquid after extraction.
Appearance of the Product (after dilution):	Clear liquid
Active Substance and concentration:	70% Ethanol
Product Dilutions/Concentrations and Diluent:	Ready to Use

Date Product Received: 16.10.17

Date Tested:

Obligatory Conditions of EN 1276:

Interfering Substance:	Bovine Albumin
Test Temperature:	20°C
Contact Time:	5 min or 1 min (Hand disinfection)
Test Organisms:	<i>Pseudomonas aeruginosa</i> ATCC 15442, <i>Escherichia coli</i> ATCC 10536, <i>Staphylococcus aureus</i> ATCC 6538, <i>Enterococcus hirae</i> ATCC 10541
Incubation Temperature:	36°C or 37°C

Experimental Conditions:

Interfering Substance:	Bovine Albumin, dirty conditions 3.0 g/l
Test Temperature:	20°C
Contact Time:	5 minutes
Test Organisms:	<i>Pseudomonas aeruginosa</i> ATCC 15442, <i>Escherichia coli</i> ATCC 10536, <i>Staphylococcus aureus</i> ATCC 6538, <i>Enterococcus hirae</i> ATCC 10541
Incubation Temperature:	36°C

Deviations from the standard (if applicable):

Interfering Substance:	None
Test Temperature:	None
Contact Time:	None
Test Organisms:	None
Incubation Temperature:	None
Product Dilutions:	Client only requested testing on the product as supplied.
Obligatory / Specific purposes:	None

Conclusion:

The product Clinitex Food Probe Disinfection Wipes R503 (0431197 Exp:12/10/19) met the log reduction requirements as specified in EN 1276 (5 lg within the relevant contact time).

Test Results:

Dilution Neutralisation (DN):

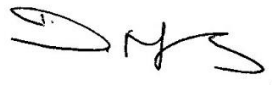
Dilution Neutralisation (complete below):

Pour plate: Tryptone Soy Agar

Neutraliser: BU Broth

Testing carried out by: Gemma Morgan (Senior Microbiologist)

Report authorised by:



Dawn Mellors (Technical Director)

Pseudomonas aeruginosa:

Validation and Controls:

Validation Suspension (Nv ₀)			Experimental Conditions Control (A)			Neutraliser or Filtration Control (B)			Method Validation (Product Conc 80%) (C)		
Vc1	91	Mean 7.95 x 10 ¹	Vc1	73	Mean 6.7 x 10 ¹	Vc1	78	Mean 7.2 x 10 ¹	Vc1	71	Mean 8.1 x 10 ¹
Vc2	68		Vc2	61		Vc2	66		Vc2	91	
Is the mean of Nv ₀ between 30 and 160:			Is the mean of A ≥ 0.5 x the mean of Nv ₀			Is the mean of B ≥ 0.5 x the mean of Nv ₀			Is the mean of C ≥ 0.5 x the mean of Nv ₀		
Yes: X		No:	Yes: X		No:	Yes: X		No:	Yes: X		No:

Test Suspension: (N & N₀):

N:

Dilution:		Vc1	Vc2	Weighted Mean	
				cfu	lgN
1)	10 ⁻⁷	28	39	2.38 x 10 ⁸	8.38
2)	10 ⁻⁶	221	246		

Control of weighted mean: Quotient is not lower than 5 and not higher than 15	Yes: X	No:
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N₀:

N ₀ (N/10) =	2.38 x 10 ⁷	lg N ₀ =	7.38
Is lg N ₀ between 7.17 and 7.70 (required inoculum)	Yes: X	No:	

Test (Na and IgR):

% Conc of Product:	Vc1	Vc2	Na (mean of Vc1 & Vc2 x10)	lgNa	IgR (lgN ₀ -lgNa)
100% (80%)	0-1	0-1	<140	<2.15	>5.23
2: -	-	-	-	-	-
3: -	-	-	-	-	-

Staphylococcus aureus:

Validation and Controls:

Validation Suspension (Nv ₀)			Experimental Conditions Control (A)			Neutraliser or Filtration Control (B)			Method Validation (Product Conc 80%) (C)		
Vc1	46	Mean 5.25 x 10 ¹	Vc1	43	Mean 4.5 x 10 ¹	Vc1	83	Mean 7.1 x 10 ¹	Vc1	55	Mean 5.55 x 10 ¹
Vc2	59		Vc2	47		Vc2	59		Vc2	56	
Is the mean of Nv ₀ between 30 and 160:			Is the mean of A ≥ 0.5 x the mean of Nv ₀			Is the mean of B ≥ 0.5 x the mean of Nv ₀			Is the mean of C ≥ 0.5 x the mean of Nv ₀		
Yes: X	No:		Yes: X	No:		Yes: X	No:		Yes: X	No:	

Test Suspension: (N & N₀):

N:

Dilution:		Vc1	Vc2	Weighted Mean	
				cfu	lgN
1)	10 ⁻⁷	22	21	2.05 x 10 ⁸	8.31
2)	10 ⁻⁶	182	227		

Control of weighted mean: Quotient is not lower than 5 and not higher than 15	Yes: X	No:
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N₀:

N ₀ (N/10) =	2.05 x 10 ⁷	lg N ₀ =	7.31
Is lg N ₀ between 7.17 and 7.70 (required inoculum)	Yes: X	No:	

Test (Na and IgR):

% Conc of Product:	Vc1	Vc2	Na (mean of Vc1 & Vc2 x10)	IgNa	IgR (lgN ₀ -lgNa)
100% (80%)	0-1	0-1	<140	<2.15	>5.16
2: -	-	-	-	-	-
3: -	-	-	-	-	-

E.coli
Validation and Controls:

Validation Suspension (N _{v0})			Experimental Conditions Control (A)			Neutraliser or Filtration Control (B)			Method Validation (Product Conc 80%) (C)		
Vc1	56	Mean 5.95 x 10 ¹	Vc1	35	Mean 3.45 x 10 ¹	Vc1	38	Mean 3.9 x 10 ¹	Vc1	53	Mean 5.65 x 10 ¹
Vc2	63		Vc2	34		Vc2	40		Vc2	50	
Is the mean of N _{v0} between 30 and 160:			Is the mean of A ≥ 0.5 x the mean of N _{v0}			Is the mean of B ≥ 0.5 x the mean of N _{v0}			Is the mean of C ≥ 0.5 x the mean of N _{v0}		
Yes: X	No:		Yes: X	No:		Yes: X	No:		Yes: X	No:	

Test Suspension: (N & N₀):
N:

Dilution:	Vc1	Vc2	Weighted Mean	
			cfu	lgN
1) 10 ⁻⁷	17	22	2.13 x 10 ⁸	8.33
2) 10 ⁻⁶	201	228		

Control of weighted mean: Quotient is not lower than 5 and not higher than 15	Yes: X	No:
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N₀:

N ₀ (N/10) =	2.13 x 10 ⁷	lg N ₀ =	7.33
Is lg N ₀ between 7.17 and 7.70 (required inoculum)		Yes: X	No:

Test (Na and lgR):

% Conc of Product:	Vc1	Vc2	Na (mean of Vc1 & Vc2 x10)	lgNa	lgR (lgN ₀ -lgNa)
100% (80%)	0-1	0-1	<140	<2.15	>5.18
2: -	-	-	-	-	-
3: -	-	-	-	-	-

Enterococcus hirae

Validation and Controls:

Validation Suspension (N _{v0})			Experimental Conditions Control (A)			Neutraliser or Filtration Control (B)			Method Validation (Product Conc 80%) (C)		
Vc1	58	Mean 5.65 x 10 ¹	Vc1	69	Mean 5.9 x 10 ¹	Vc1	61	Mean 5.65 x 10 ¹	Vc1	89	Mean 8.65 x 10 ¹
Vc2	55		Vc2	49		Vc2	52		Vc2	84	
Is the mean of N _{v0} between 30 and 160:			Is the mean of A ≥ 0.5 x the mean of N _{v0}			Is the mean of B ≥ 0.5 x the mean of N _{v0}			Is the mean of C ≥ 0.5 x the mean of N _{v0}		
Yes: X	No:		Yes: X	No:		Yes: X	No:		Yes: X	No:	

Test Suspension: (N & N₀):

N:

Dilution:		Vc1	Vc2	Weighted Mean	
				cfu	lgN
1)	10 ⁻⁷	27	21	2.26 x 10 ⁸	8.35
2)	10 ⁻⁶	197	253		

Control of weighted mean: Quotient is not lower than 5 and not higher than 15	Yes: X	No:
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N₀:

N ₀ (N/10) =	2.26 x 10 ⁷	lg N ₀ =	7.35
Is lg N ₀ between 7.17 and 7.70 (required inoculum)	Yes: X	No:	

Test (Na and IgR):

% Conc of Product:	Vc1	Vc2	Na (mean of Vc1 & Vc2 x10)	IgNa	IgR (lgN ₀ -lgNa)
100% (80%)	0-1	0-1	<140	<2.15	>5.20
2: -	-	-	-	-	-
3: -	-	-	-	-	-