

Analytical MicroLabs

Industrial Microbiologists

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Citrofresh Bacterial testing record sheet

Certificate number: 081104
Batch number: 360331
Production date: November 2004
Date or period of testing: 27/11/2004- 30/11/2004
Organism tested:

1. <i>Pseudomonas aeruginosa</i>	NCTC 6749
2. <i>Proteus vulgaris</i>	NCTC 4635
3. <i>Escherichia coli</i>	NCTC 8196
4. <i>Staphylococcus aureus</i>	NCTC 4163

MIC by tube dilution:

<i>Pseudomonas aeruginosa</i>	3.125 % (v/v)
<i>Proteus vulgaris</i>	3.125 % (v/v)
<i>Escherichia coli</i>	6.25 % (v/v)
<i>Staphylococcus aureus</i>	1.65 % (v/v)

MBC by tube dilution:

<i>Pseudomonas aeruginosa</i>	6.25 % (v/v)
<i>Proteus vulgaris</i>	3.125 % (v/v)
<i>Escherichia coli</i>	6.25 % (v/v)
<i>Staphylococcus aureus</i>	1.65 % (v/v)

Tube number	1	2	3	4	5	6	7	8	9	10	
Concentration of Citrofresh % (v/v)	100	50	25	12.5	6.25	3.125	1.65	0.8	0.4	Neg	
MIC											
Organism 1.	Ng	Ng	Ng	Ng	Ng	Ng	Growth	Growth	Growth	Ng	
Organism 2.	Ng	Ng	Ng	Ng	Ng	Ng	Growth	Growth	Growth	Ng	
Organism 3.	Ng	Ng	Ng	Ng	Ng	Growth	Growth	Growth	Growth	Ng	
Organism 4.	Ng	Ng	Ng	Ng	Ng	Ng	Ng	Growth	Growth	Ng	
MBC											
Organism 1.	Ng	Ng	Ng	Ng	Ng	Growth	Growth	Growth	Growth	Ng	
Organism 2.	Ng	Ng	Ng	Ng	Ng	Ng	Growth	Growth	Growth	Ng	
Organism 3.	Ng	Ng	Ng	Ng	Ng	Growth	Growth	Growth	Growth	Ng	
Organism 4.	Ng	Ng	Ng	Ng	Ng	Ng	Ng	Growth	Growth	Ng	

Initial inoculum concentration: 1.4 x 10⁹- 1.5 x 10⁹ orgs/ml

Incubation temperature and time: 37 degrees Celsius for 24 hrs

Kelsey- Maurer Capacity test (TGA Disinfectant test, Appendix 54, 545A, TGA Protocol)*(The above test validated, using Virkon S registered disinfectant)*

Concentration of Citrofresh	4%		8%		10%		12%	
Time of challenge	8 min.	18 min.	8 min.	18 min.	8 min.	18 min.	8 min.	18 min.
Organism tested								
Pseudomonas aeruginosa NCTC 6749	5/5 Growth	3/5 Growth	3/5 Growth	3/5 Growth	1/5 Growth	1/5 Growth	0/5 Growth	0/5 Growth
Proteus vulgaris NCTC 4635	4/5 Growth	4/5 Growth	3/5 Growth	2/5 Growth	1/5 Growth	0/5 Growth	0/5 Growth	0/5 Growth
Escherichia coli NCTC 8196	5/5 Growth	4/5 Growth	3/5 Growth	3/5 Growth	0/5 Growth	1/5 Growth	0/5 Growth	0/5 Growth
Staphylococcus aureus NCTC 4163	2/5 Growth	1/5 Growth	1/5 Growth	0/5 Growth	0/5 Growth	0/5 Growth	0/5 Growth	0/5 Growth

(0, 1, 2, 3, 4, 5/5 growth represent the positive broth out of 5 Nutrient broth)

Initial inoculum concentration: 1.4x10⁹- 1.5 x10⁹ orgs\ ml**Incubation temperature and time:** 37 degrees Celsius for 48 hrs**Condition:** clean dirty (underline appropriate)

Effective concentration:

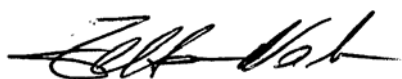
Pseudomonas aeruginosa	10%
Proteus vulgaris	10%
Escherichia coli	10%
Staphylococcus aureus	4%

Recommended concentration:

Pseudomonas aeruginosa	10%
Proteus vulgaris	10%
Escherichia coli	10%
Staphylococcus aureus	4%

Controls:

1. Recovery Broth contamination	No growth
2. Disinfectant contamination	No growth
3. Fertility test	Growth
4. Inactivator Efficacy	Growth

Results of controls: Validated test**Authorised by:**


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