

# Analytical MicroLabs

## Industrial Microbiologists

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### Citrofresh testing record sheet- Capacity test- Spores

**Certificate number:** 020905  
**Batch number:** Citrofresh, batch 360 332  
**Production date:** May 2005  
**Date or period of testing:** 01/08/2005-16/09/2005

**Organism tested:**  
 1. *Bacillus cereus* ATCC 10876  
 2. *Bacillus subtilis* (Gordon TAFE 122 and 124)

**Citrofresh concentration:** 20% of 10 times diluted Citrofresh Superconcentrate

**Induction of spore formation:** PCA agar slope culture (according to the University of Melbourne Microbiology Department- MDU- recommendation.  
 Spore formation was detected  $\geq 95\%$  of 100 bacteria per High Power Field)

**Spore stain:** According to AS 1766.2.6-1991

**Kelsey- Maurer Capacity test (TGA Disinfectant test, Appendix 54, 545A, TGA Protocol)**

Concentration of Citrofresh	20%	
Time of challenge	8 min.	18 min.
Organism tested		
<i>Bacillus cereus</i> ATCC 10876	No growth	No growth
<i>Bacillus subtilis</i> (Gordon 122)	1/5 growth	2/5 growth
<i>Bacillus subtilis</i> (Gordon 124)	1/5 Growth	1/5 Growth

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

**Initial inoculum concentrations:** 0.2-2x10<sup>8</sup> spores/ ml

**Incubation temperature and time:** 37 °C for 48 hrs in Nutrient Broth No. 2

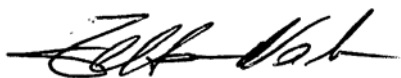
**Condition:** dirty- 5% yeast extract

**Controls:**

<b>1. Recovery Broth contamination</b>	<b>No growth</b>
<b>2. Disinfectant contamination</b>	<b>No growth</b>
<b>3. Fertility test</b>	<b>Growth</b>
<b>4. Inactivator Efficacy</b>	<b>Growth*</b>

(Growth\*- some inactivation of the disinfectant was detected-  
further Carrier-based test required)

**Authorised by:**



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**Biologist, Senior Scientist, Analytical MicroLabs**