

Analytical MicroLabs

Industrial Microbiologists

NATA Accredited Laboratory: 14917

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Derm-E-San Propionibacterium acne testing

Certificate number: AML 17137
Batch number: Derm-E-San
Production date: June 2005

Gel or cream used; Derm-E-San

Date or period of testing: 15/06/05-30/06/05

Organism tested: 1. Propionibacterium acne ACM 5109

Summary of results: Day 1

	Concentration of Citrofresh and Isopropyl alcohol 0%-0%	Concentration of Citrofresh and Isopropyl alcohol 5%-5%	Concentration of Citrofresh and Isopropyl alcohol 10%-5%	Concentration of Citrofresh and Isopropyl alcohol 5%-10%
Exposure time				
10 minutes	5/5 growth	2/5 growth	1/5 growth	0/5 growth
20 minutes	5/5 growth	1/5 growth	1/5 growth	0/5 growth
24 hours	5/5 growth	0/5 growth	0/5 growth	0/5 growth

0, 1, 2, 3, 4, 5/5 growth represent the positive broth (visible growth) out of 5 Nutrient broth No. 2 in anaerobic condition after 48hrs incubation

Initial bacterial load: Propionibacterium acne 1.6 x 10⁹ orgs/ml

Controls:	1. Recovery Broth contamination in anaerobic condition	No growth
	2. Recovery Broth contamination in aerobic condition	No growth
	3. Disinfectant contamination in anaerobic condition	No growth
	4. Fertility test in anaerobic condition	Growth

Summary of results: Day 3

	Concentration of Citrofresh and Isopropyl alcohol 0%-0%	Concentration of Citrofresh and Isopropyl alcohol 5%-5%	Concentration of Citrofresh and Isopropyl alcohol 10%-5%	Concentration of Citrofresh and Isopropyl alcohol 5%-10%
Exposure time				
10 minutes	5/5 growth	2/5 growth	0/5 growth	0/5 growth
20 minutes	5/5 growth	2/5 growth	1/5 growth	0/5 growth
24 hours	5/5 growth	0/5 growth	0/5 growth	0/5 growth

0, 1, 2, 3, 4, 5/5 growth represent the positive broth (visible growth) out of 5 Nutrient broth No. 2 in anaerobic condition after 48hrs incubation

Initial bacterial load: **Propionibacterium acne** **1.2 x 10⁹ orgs/ml**

Controls:

1. Recovery Broth contamination in anaerobic condition	No growth
2. Recovery Broth contamination in aerobic condition	No growth
3. Disinfectant contamination in anaerobic condition	No growth
4. Fertility test in anaerobic condition	Growth

Summary of results: Day 5

	Concentration of Citrofresh and Isopropyl alcohol 0%-0%	Concentration of Citrofresh and Isopropyl alcohol 5%-5%	Concentration of Citrofresh and Isopropyl alcohol 10%-5%	Concentration of Citrofresh and Isopropyl alcohol 5%-10%
Exposure time				
10 minutes	5/5 growth	1/5 growth	1/5 growth	0/5 growth
20 minutes	5/5 growth	0/5 growth	0/5 growth	0/5 growth
24 hours	5/5 growth	0/5 growth	0/5 growth	0/5 growth

0, 1, 2, 3, 4, 5/5 growth represent the positive broth (visible growth) out of 5 Nutrient broth No. 2 in anaerobic condition after 48hrs incubation

Initial bacterial load: **Propionibacterium acne** **8.9 x 10⁸ orgs/ml**

Controls:

1. Recovery Broth contamination in anaerobic condition	No growth
2. Recovery Broth contamination in aerobic condition	No growth
3. Disinfectant contamination in anaerobic condition	No growth
4. Fertility test in anaerobic condition	Growth

Number of challenge: One (1), repeated 2 consecutive days

Origin of Test Organisms: The University of Queensland, Australia

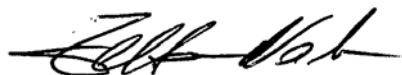
Enumeration of initial bacterial load: HBA in duplicate-pour-plate technique in anaerobic jar

Incubation temperature and time: 37 degree Celsius, 48 hrs in anaerobic jar

Medium for growth of Test Organisms: Wright- Mundy Dextrose medium (Difco)

Recovery Medium: Nutrient Broth No. 2 (Oxoid)

Diluent for Citrofresh 14P: Sterile Hard Water (Melbourne University)

A handwritten signature in black ink, appearing to read 'Zoltan Nack', is positioned to the left of a vertical red line.

Zoltan Nack MSc. MBA. MASM
Biologist, Senior Scientist, Analytical MicroLabs