

Test report No. 04/2015

DISINFECTION EFFICIENCY TEST FOR PRE-SURGICAL SKIN
TREATMENT COMPOSITES

Name of the product: CHEMISEPT G COLOR
Batch number: LOT 71020215
Manufacturer: Chemi-Pharm Ltd.
Client, representative: Chemi-Pharm Ltd., Põllu 132, Tallinn, 10917, ESTONIA
Maris Millner, +372-51-77-090
Date of delivery: 16.03.2015
Date of registration: 16.03.2015
Test material conditions: no specific features, sample in the manufacturers tare
Storage conditions: in room temperature, not in the direct sunlight
Active substance – conc.: ethyl alcohol – 75 wt%; quaternary ammonium compounds 0,1 wt%
Appearance of the product: coloured liquid
Contact time: 30, 60, 90 and 120 sec
Test concentration: ready to use
Reference solution: propan-1-ol 60% (vol/vol)
Testing method: sampling microbes onto the contact slides and afterward incubation of
Testing date: 17.03.2015
Results: look appendix 1



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Head of Laboratory, microbiologist

Appendix 1

Skin disinfection procedure with the reference solution and product under test

Experimental results

Product: **CHEMISEPT G COLOR**

Reference solution: propan-1-ol 60% (vol/vol)

Disinfection procedure: sprinkled 2 ml on 10 cm² area;

Tested using bacterial/fungal specific slides, after: 30 sec, 60 sec, 90 sec and 120 sec

Test group: 5 volunteers

Test Date: 17.03.2015

No.	Skin type	Non-treated area; cfu/ml				Test area; cfu/ml				Reference area; cfu/ml			
		30''	60''	90''	120''	30''	60''	90''	120''	30''	60''	90''	120''
1	Sebaceous rich	10 ³	10 ³	10 ²	10 ³	0	0	0	0	0	0	0	0
	Sebaceous poor	10 ⁴	10 ³	10 ⁴	10 ⁴	10 ²	0	0	0	0	0	0	10 ²
2	Sebaceous rich	10 ²	10 ²	10 ³	10 ³	0	0	0	0	0	0	0	0
	Sebaceous poor	10 ⁴	10 ³	10 ³	10 ³	0	0	0	0	0	0	0	0
3	Sebaceous rich	10 ³	10 ³	10 ³	10 ³	0	0	0	0	0	0	0	0
	Sebaceous poor	10 ³	10 ⁴	10 ⁴	10 ⁴	0	0	0	0	0	0	0	0
4	Sebaceous rich	10 ²	10 ²	10 ⁴	10 ³	0	0	0	0	0	0	0	0
	Sebaceous poor	10 ⁴	10 ⁴	10 ⁴	10 ⁴	0	0	0	0	10 ²	0	0	10 ²
5	Sebaceous rich	10 ³	10 ²	10 ³	10 ³	0	0	0	0	0	0	0	0
	Sebaceous poor	10 ⁴	10 ⁴	10 ⁴	10 ⁴	0	0	10 ²	0	0	10 ²	0	0
Mean Lg S.r.		2,6	2,4	3,0	3,0	0	0	0	0	0	0	0	0
Mean Lg S.p.		3,8	3,6	3,8	3,8	0,4	0	0,4	0	0,4	0,4	0	0,8
Reduction Factor for Sebaceous rich area						2,6	2,4	3,0	3,0	2,6	2,4	3,0	3,0
Reduction Factor for Sebaceous poor area						3,4	3,6	3,4	3,8	3,4	3,2	3,8	3,0

Interpretation:

Using the current method, there was tested product **CHEMISEPT G COLOR** (Batch No. 71020215), in ready to use conditions, with the contact times: 30, 60, 90 and 120 sec. The sampling method¹ was been used for the testing of product effect onto the skin microflora as in the sebaceous rich as poor areas.

Summary:

By the test results conclusion can be made, that tested product **CHEMISEPT G COLOR** has both **bactericidal and fungicidal effect** onto skin microflora in case of the different surfaces (sebaceous rich/poor) disinfection, at the contact times 30, 60, 90 and 120 sec. In comparison with the reference substance (propan-1-ol 60 vol%) the tested product exhibits slight more noticeable influence.

References:

¹⁾ M.S. Favero, *et al.*; Microbiological Sampling of Surfaces; Journal of Applied Bacteriology, Vol. 31, Issue 3, pp 336–343, 1968.



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