

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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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 cm<sup>2</sup> 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 <sup>3</sup>	10 <sup>3</sup>	10 <sup>2</sup>	10 <sup>3</sup>	0	0	0	0	0	0	0	0
	Sebaceous poor	10 <sup>4</sup>	10 <sup>3</sup>	10 <sup>4</sup>	10 <sup>4</sup>	10 <sup>2</sup>	0	0	0	0	0	0	10 <sup>2</sup>
2	Sebaceous rich	10 <sup>2</sup>	10 <sup>2</sup>	10 <sup>3</sup>	10 <sup>3</sup>	0	0	0	0	0	0	0	0
	Sebaceous poor	10 <sup>4</sup>	10 <sup>3</sup>	10 <sup>3</sup>	10 <sup>3</sup>	0	0	0	0	0	0	0	0
3	Sebaceous rich	10 <sup>3</sup>	10 <sup>3</sup>	10 <sup>3</sup>	10 <sup>3</sup>	0	0	0	0	0	0	0	0
	Sebaceous poor	10 <sup>3</sup>	10 <sup>4</sup>	10 <sup>4</sup>	10 <sup>4</sup>	0	0	0	0	0	0	0	0
4	Sebaceous rich	10 <sup>2</sup>	10 <sup>2</sup>	10 <sup>4</sup>	10 <sup>3</sup>	0	0	0	0	0	0	0	0
	Sebaceous poor	10 <sup>4</sup>	10 <sup>4</sup>	10 <sup>4</sup>	10 <sup>4</sup>	0	0	0	0	10 <sup>2</sup>	0	0	10 <sup>2</sup>
5	Sebaceous rich	10 <sup>3</sup>	10 <sup>2</sup>	10 <sup>3</sup>	10 <sup>3</sup>	0	0	0	0	0	0	0	0
	Sebaceous poor	10 <sup>4</sup>	10 <sup>4</sup>	10 <sup>4</sup>	10 <sup>4</sup>	0	0	10 <sup>2</sup>	0	0	10 <sup>2</sup>	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 method<sup>1</sup> 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:

<sup>1)</sup> 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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