

TEST REPORT 16 24 00180

BLENIOR DEPILATORY CREAM NORMAL SKIN (TK001)

USE TEST
PANEL OF 10 SUBJECTS

MARCH 2016

OBJECTIVE

The study's objective is to investigate the effect that the product 'BLENIOR DEPILATORY CREAM NORMAL SKIN (TK001)' has regarding hair removal, when used in a controlled panel test.

TEST PRODUCT DESCRIPTION

PRODUCT MANUFACTURED BY	: TREDA HIZLI
RECEIPT DATE	: 01/02/2016
STUDY PERIOD	: 02/02/2016 - 07/03/2016
LAB ID	: 16 24 00180
TEST PRODUCT	: BLENIOR DEPILATORY CREAM NORMAL SKIN (TK001)
BRAND	: -
PRODUCT TYPE	: CREAM
METHOD	: IN USE TEST, 10 SUBJECTS
STUDY SPONSOR	: QACS Ltd

STUDY SUMMARY

The product 'BLENIOR DEPILATORY CREAM NORMAL SKIN (TK001)', is a light pink cream that is kept in a glass container (see Annex 2) and is applied using a plastic spatula.

10 healthy female volunteers with leg or arm hair, were included in the study. The product was used on the shin, thigh or forearm according to the indications of the dermatologist. Immediately after depilation, a clinical evaluation regarding the level of efficacy, was performed by the dermatologist, with the aid of photos, macroscopic and dermoscopic. The volunteers were asked to answer a questionnaire regarding the product 2 weeks after depilation.

The study was conducted under the supervision of a dermatologist.
The study was performed by QACS Ltd.

Assessment after the end of the treatment:

- ✓ Clinical evaluation (including photos, macroscopic and dermoscopic)
- ✓ Auto evaluation (questionnaire)

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email: info@qacs.gr website: www.qacs.gr

NORMATIVE, CONFIDENTIALITY AND ARCHIVING

Normative

The study was conducted by suitably trained and experienced personnel in accordance with the Efficacy Evaluation Guidelines published by COLIPA - May 2008.

Precautions were taken to avoid the possibility that participants in the study might experience undesirable effects. The test products were complying with requirements of the Regulation 1223/2009.

The manufacturer of the test product is responsible for its compliance with requirements of current Cosmetics Regulation (EC/1223/2009).

Ethical requirements which have been taken into consideration in the planning of the study include:

- i) participants are informed volunteers selected after application of inclusion/non inclusion criteria
- ii) participants are aware of the purpose and nature of the study and of any foreseeable risks involved in participation in the study and have given written informed consent before the study starts.

Confidentiality

Requirements of Law 2472/1997 on the Protection of Individuals with regard to the Processing of Personal are taken into consideration. The anonymity of the volunteers is respected, no personal records have been kept. Each volunteer can be identified by the persons in charge of the study, thanks to his personal volunteer's code.

Archiving

The laboratory book which contains all the information (raw data and results) regarding the study and the study reports are kept in the laboratory archives for 2 years.

PANEL STUDIED, INCLUSION / NON INCLUSION CRITERIA

Number of volunteers

A number of 10 volunteers has been recruited to satisfy the objectives of the test.

Panel characteristics

Volunteers were selected on the basis of inclusion and non-inclusion criteria. The volunteers satisfied all the inclusion criteria, were not in conflict with any of the non-inclusion criteria and had a medical examination (health certificate) and a dermatological examination. The volunteers were clearly informed, verbally and in writing, regarding the nature of the study, the timetable, constraints and possible risks. They gave their written informed consent before participation in the study.

Inclusion criteria

- ✓ Informed volunteers who agree to follow the conditions specified
- ✓ where appropriate of relevant age : 18-65 years old
- ✓ where appropriate of relevant gender : male and female
- ✓ where appropriate of relevant origin and health
- ✓ free from any dermatological problems on the area studied
- ✓ able to understand the Greek language and the study requirements
- ✓ users of razor, no use of any depilatory products for 1 month

Non inclusion criteria

- ✓ volunteers who do not meet the inclusion criteria
- ✓ pregnancy or nursing condition
- ✓ irritated skin on test site(s)
- ✓ blemishes, marks (e.g. tattoos, scars, sunburn) on the test site(s)
- ✓ presenting contact allergy to one of the ingredients of the tested product
- ✓ volunteers who refused to give their free and informed consent

Instructions given to the volunteers

- No razor use 10 days prior to testing, in order to achieve hair length of 1-10mm at the application area
- After the depilatory process, let the hair grow naturally for 2 weeks

METHODOLOGY

The methodological approach used to evaluate whether or not the product tested has any effect on hair removal, was the sensorial approach by consumers themselves, and clinical evaluation by the dermatologist (see Colipa Guidelines Efficacy 2008).

The study took place in QACS Ltd., under the supervision of a dermatologist.

The volunteers applied the product on the selected body area (shin/ thigh/ forearm) under the supervision of trained personnel.

The product remained in contact with the skin for 5 minutes and was then removed against the direction of hair growth, using a spatula. Before and after the depilation, macroscopic and dermoscopic photos of the test site were taken. The volunteers were instructed to let the hair of the test site grow naturally, for the following 2 weeks.

The sensorial test is based on the appreciation of product's performance made through the senses of either panellists and/or of experts. They give information mainly on observed or perceived parameters.

The sensorial test that was used for this study was auto evaluation (questionnaire).

The volunteers were given a questionnaire (see Annex 1), 2 weeks after the depilation process. They were asked to evaluate the product, in five parameters, at a scale of 1-5 (where 1 being "repulsive" and 5 being "excellent").

The clinical evaluation included efficacy grading of the product by the dermatologist and was supported by photos, macroscopic and dermoscopic.

VOLUNTEER DATA

Table I depicts the number, code, sex and age of the volunteers. The last column of the table indicates the body area where the cream was applied.

Table I. Volunteers Description

Volunteer No	Volunteer Code	Sex	Age	Depilation area
1	1287	F	25	Shin
2	1288	F	31	Thigh
3	1414	F	28	Shin
4	1334	F	48	Shin
5	1464	F	27	Shin
6	1472	F	37	Forearm
7	1356	F	25	Forearm
8	1402	F	30	Shin
9	1397	F	26	Shin
10	1479	F	30	Forearm

QUESTIONNAIRE QUANTIFICATION

The volunteers were asked to evaluate the product according to a scale from 1 to 5 where:

- 1 is Repulsive
- 2 is Not Satisfying
- 3 is Acceptable
- 4 is Good
- 5 is Excellent

The questions the users were asked to answer regarding the product, were the following:

- Q1- Evaluate the impact on the skin (redness, burning, peeling, itching etc.).*
- Q2- Is the product easy to use?*
- Q3- Does the product remove many hairs after one use?*
- Q4- Does the product remove the hairs from their roots?*
- Q5- Did you feel the smoothness and softness on your skin up to 4 weeks?*

They were also asked to answer the following YES-NO questions:

- Q6- Would you buy this product?*
- Q7- Would you recommend this product?*

The users were also asked to add comments, if any, after the use of the product.

RESULTS ON QUESTIONNAIRES

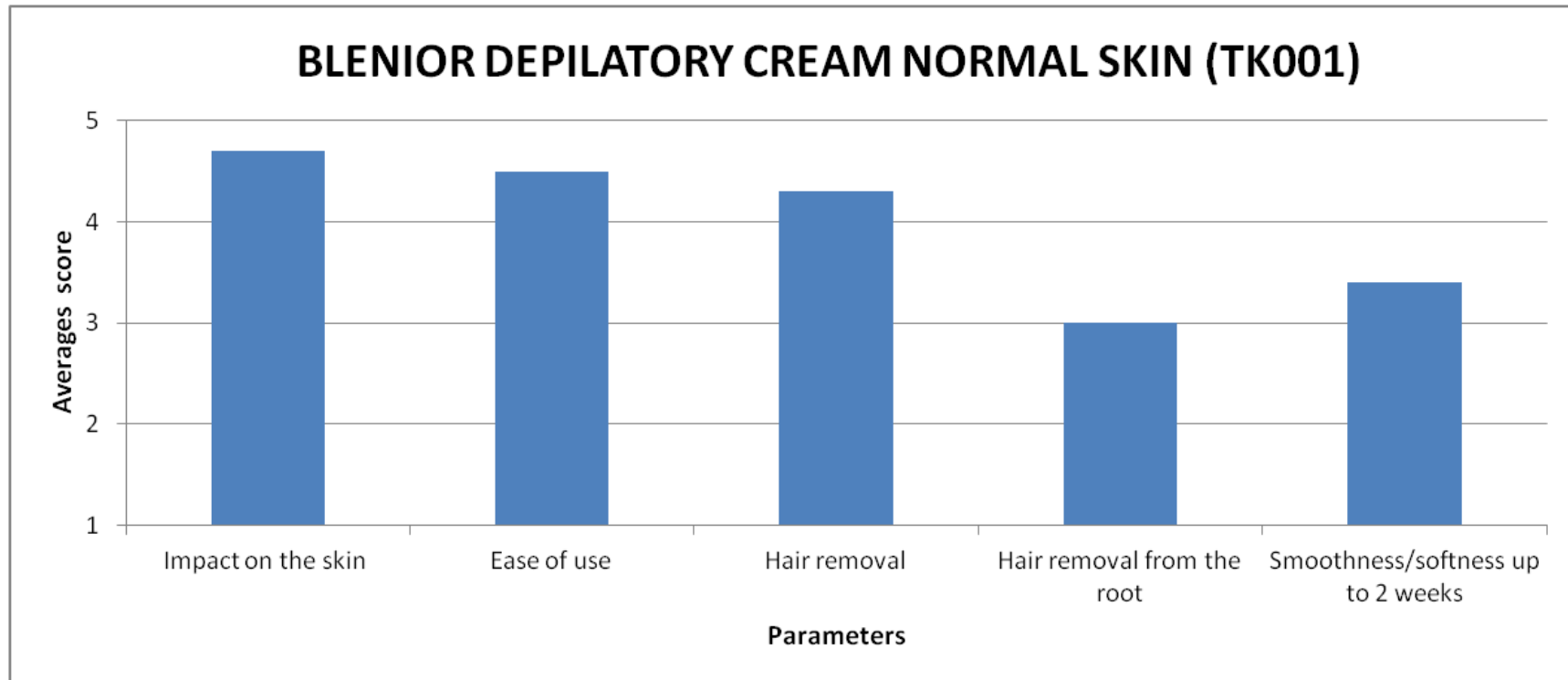
Table II. Volunteer assessment on the product

PRODUCT	Volunteer No	1	2	3	4	5	6	7	8	9	10
	Q1. Impact on the skin (redness, burning, peeling, itching etc.)	5	5	5	5	5	4	5	5	4	4
	Q2. Ease of use	5	5	5	5	4	4	5	5	3	4
	Q3. Hair removal	5	4	5	5	4	4	5	3	4	4
	Q4. Hair removal from the root	4	2	3	5	3	3	1	3	3	3
	Q5. Smoothness/softness up to 2 weeks	3	2	4	5	3	4	3	3	4	3

Table III. Average assessment on the product

	Average score	Classification
Q1. Impact on the skin (redness, burning, peeling, itching etc.)	4.7	More than good
Q2. Ease of use	4.5	More than good
Q3. Hair removal	4.3	More than good
Q4. Hair removal from the root	3	Acceptable
Q5. Smoothness/softness up to 4 weeks	3.4	More than acceptable

The Graph below depicts the average assessments of the volunteers for each parameter for the product (Q1 - Q5).



Q1. Impact on the skin (redness, burning, peeling, itching etc.)

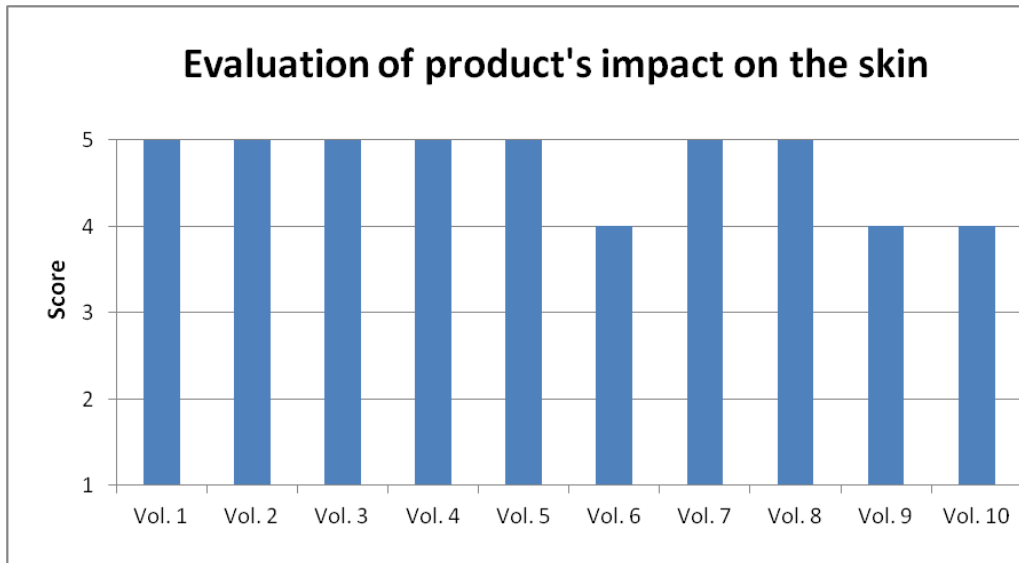
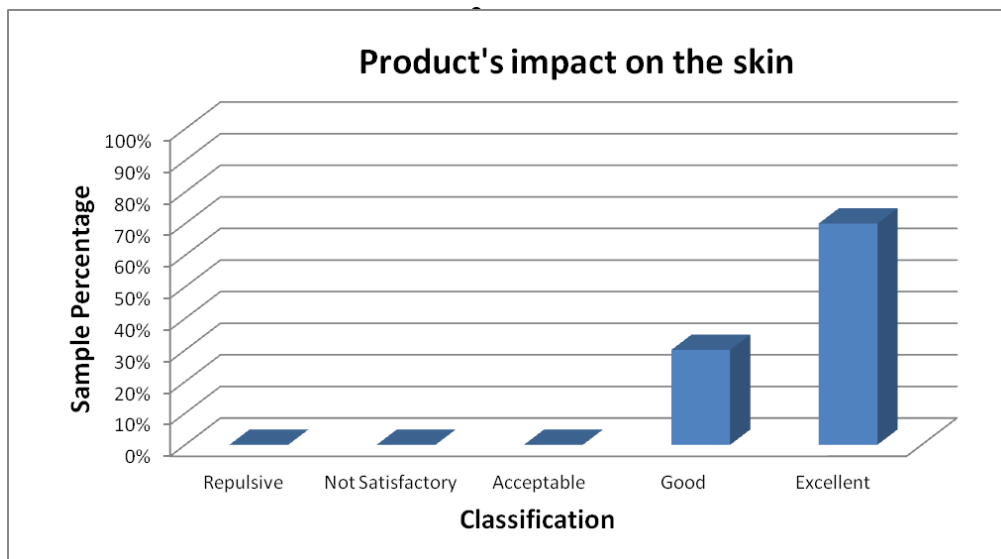


Table IV. Answers on Parameter 1.

1 (Repulsive)	2 (Not satisfactory)	3 (Acceptable)	4 (Good)	5 (Excellent)	Total
0	0	0	3	7	10

- 70% of the users assessed the impact of the product on the skin as excellent



Q2. Ease of use

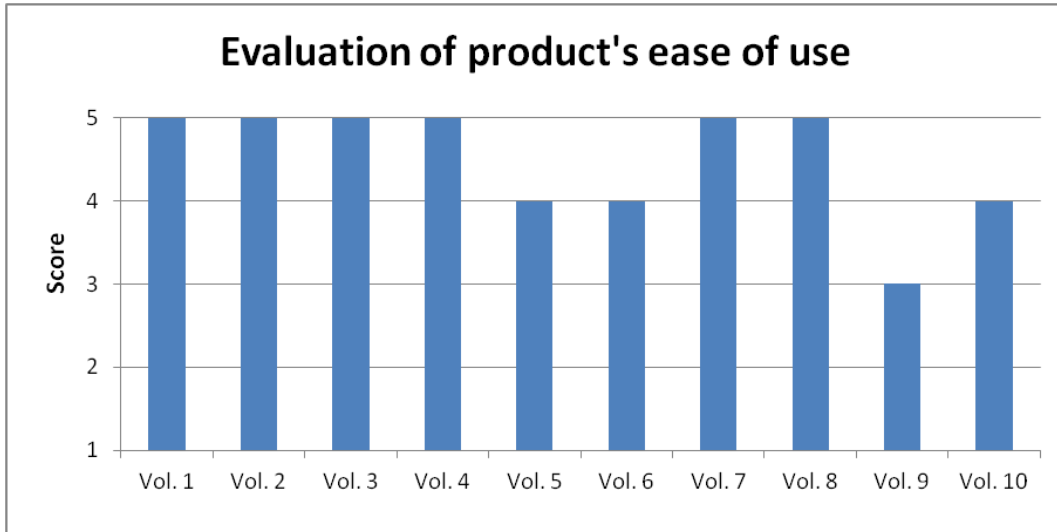
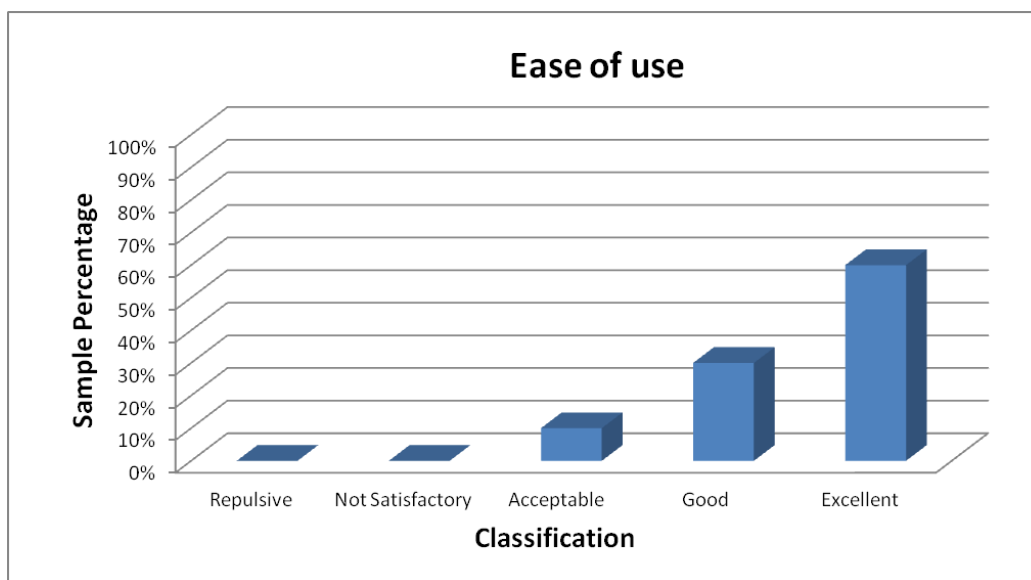


Table V. Answers on Parameter 2.

1 (Repulsive)	2 (Not satisfactory)	3 (Acceptable)	4 (Good)	5 (Excellent)	Total
0	0	1	3	6	10

- 60% of the users assessed the ease of product's use as excellent



Q3. Hair removal

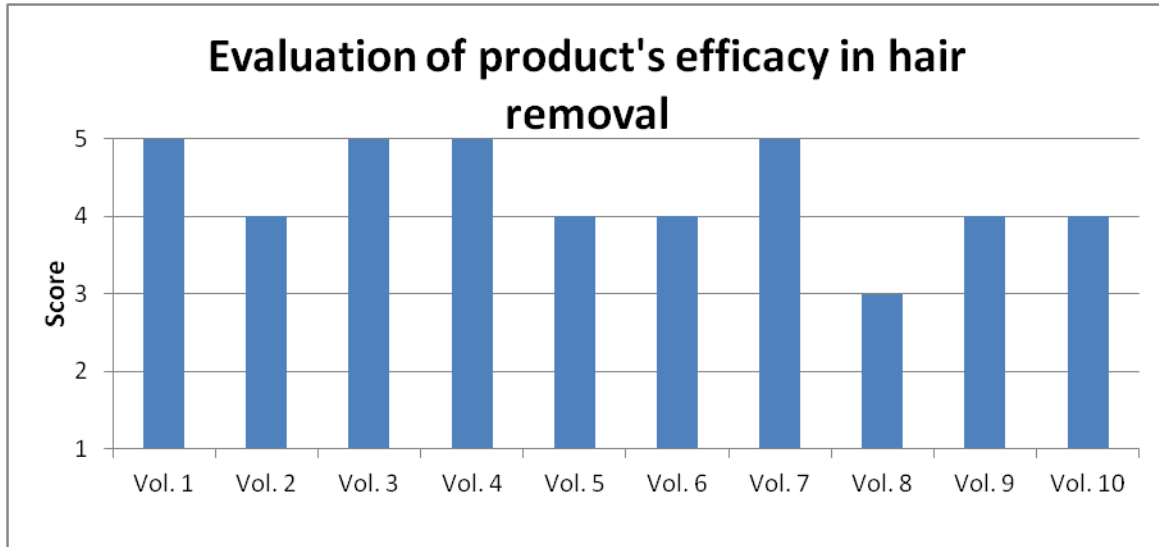
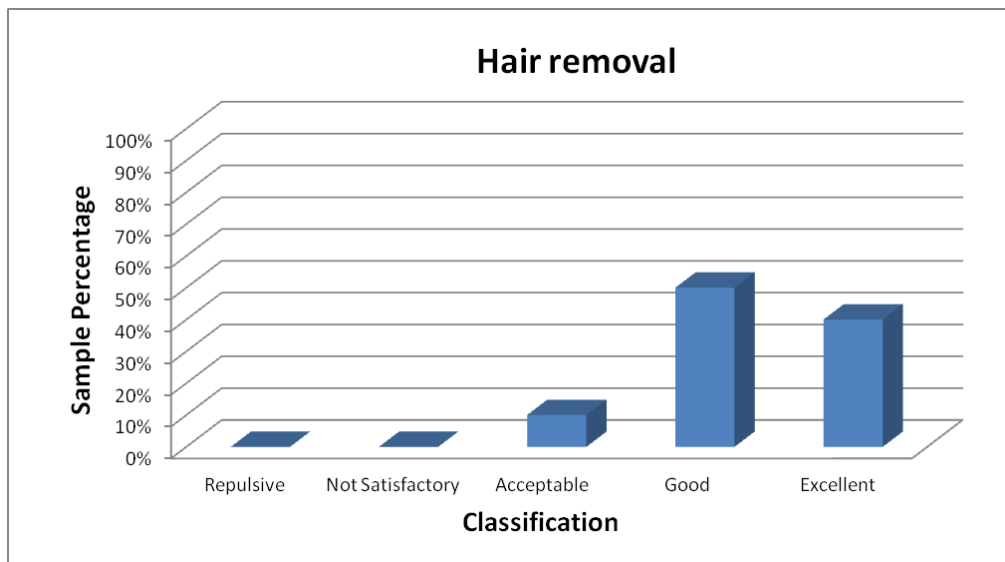


Table VI. Answers on Parameter 3.

1 (Repulsive)	2 (Not satisfactory)	3 (Acceptable)	4 (Good)	5 (Excellent)	Total
0	0	1	5	4	10

- 90% of the users assessed the product's efficacy in hair removal as more than good



Q4. Hair removal from the root

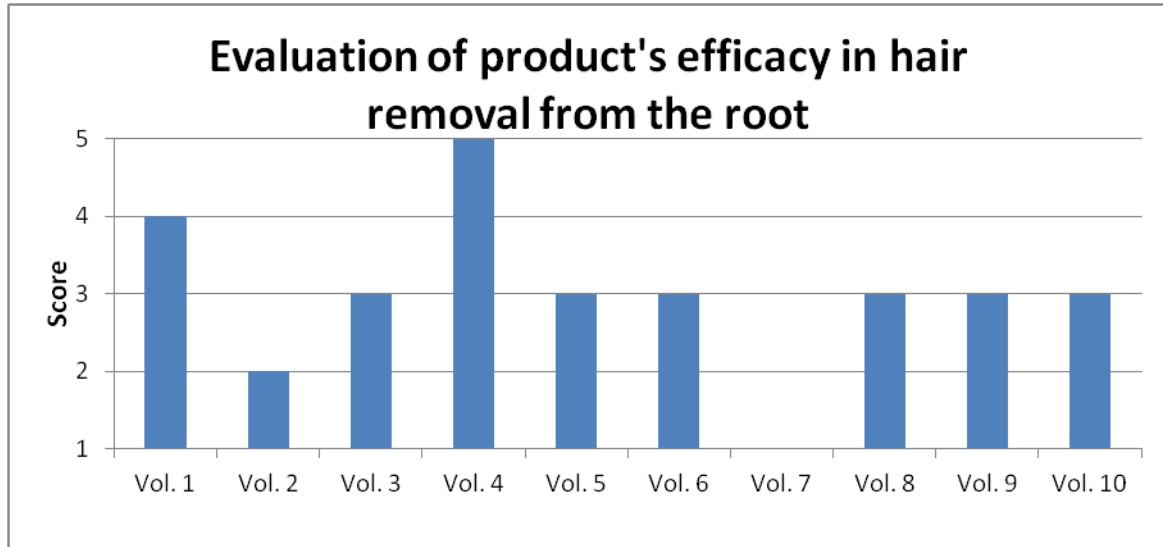


Table VII. Answers on Parameter 4.

1 (Repulsive)	2 (Not satisfactory)	3 (Acceptable)	4 (Good)	5 (Excellent)	Total
1	1	6	1	1	10

- 20% of the users assessed the product's efficacy in hair removal from the root as more than good



Q5. Smoothness/ softness feeling up to 2 weeks

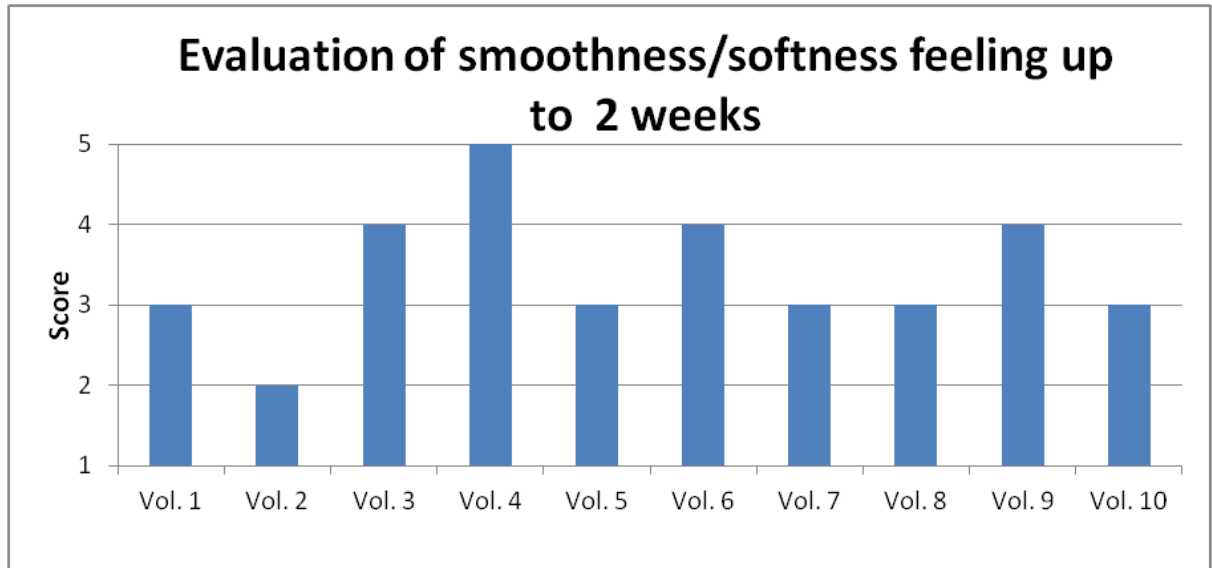
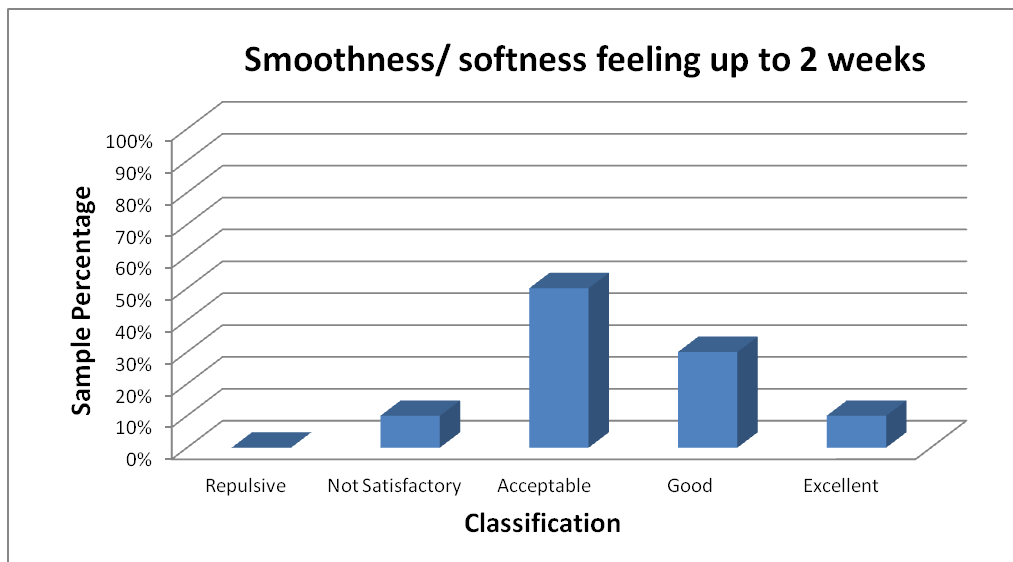


Table VIII. Answers on Parameter 5.

1 (Repulsive)	2 (Not satisfactory)	3 (Acceptable)	4 (Good)	5 (Excellent)	Total
0	1	5	3	1	10

- 40% of the users assessed the smoothness/ softness feeling on skin up to 2 weeks after the epilating process as more than good



Q6. Purchase intention



Table IX. Answers on Parameter 6.

Volunteer No.									
1	2	3	4	5	6	7	8	9	10
YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

Q7. Recommendation intention

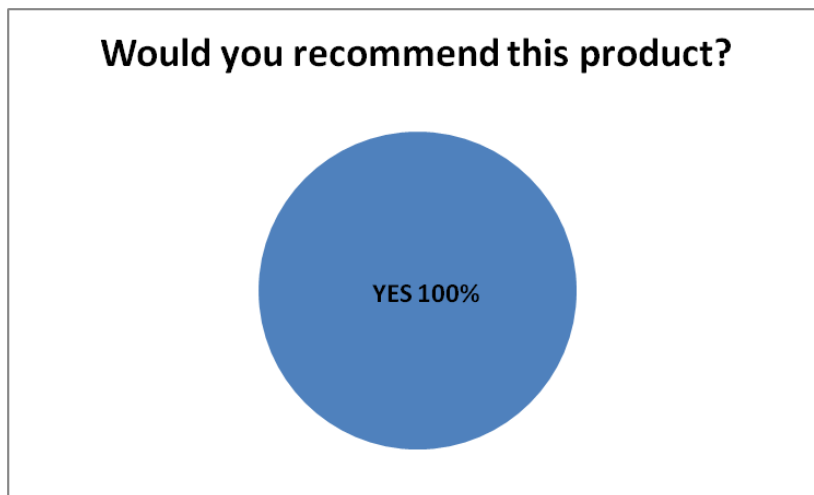


Table X. Answers on Parameter 7.

Volunteer No.									
1	2	3	4	5	6	7	8	9	10
YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

Overview of scored parameters

The volunteers were asked to score 5 parameters after the application of the product. The overall results can be seen in the following table.

Parameter	Score
Impact on the skin	94/100
Ease of use	90/100
Efficacy in hair removal	86/100
Efficacy in hair removal from the root	60/100
Smoothness/ softness feeling, up to 2 weeks	68/100

Discussion

General comments that the volunteers made:

- Volunteer No. 3 noted that she was satisfied with the product.
- Volunteer No. 4 praised the product on its totally satisfying and proper results.
- Volunteer No. 6 commented on an itching sensation on the treated area, 2 hours after depilation. The sensation subsided thoroughly right after rinsing with water.

No side-effects were reported by the volunteers.

CLINICAL EVALUATION

Efficacy (Dermoscopic)

A dermoscopic image is taken in the center of each macroscopic area before and one minute after the procedure. The center is marked with a dot.

The physician assesses dermoscopically the percentage of hair follicles that contain less than 1mm of hair shaft and grades the efficacy result as follows:

0 : none (failure to remove any hair)

1 : 1 - 25%

2 : 26 - 50%

3 : 51 - 75%

4 : 76 - 100%

The efficacy grading of the product for each volunteer, can be seen on the table below :

Volunteer No	Efficacy grading
1	4
2	4
3	4
4	4
5	4
6	4
7	4
8	4
9	4
10	4

Dermatologist's comments

Procedure

The application of the cream was conducted very easily following the given instructions. After 5 minutes of contact with the skin, the cream was removed with a spatula and any cream and hair residuals were cleaned up with a cotton cloth.

Efficacy

Practically all hair (more than 95%) is removed at the level of the skin surface with one single application. This is also clearly demonstrated by the macroscopic and dermoscopic pictures.

Adverse effects

No adverse effects were noted during or after the application. Volunteers did not report any symptoms and clinically there was no irritation.

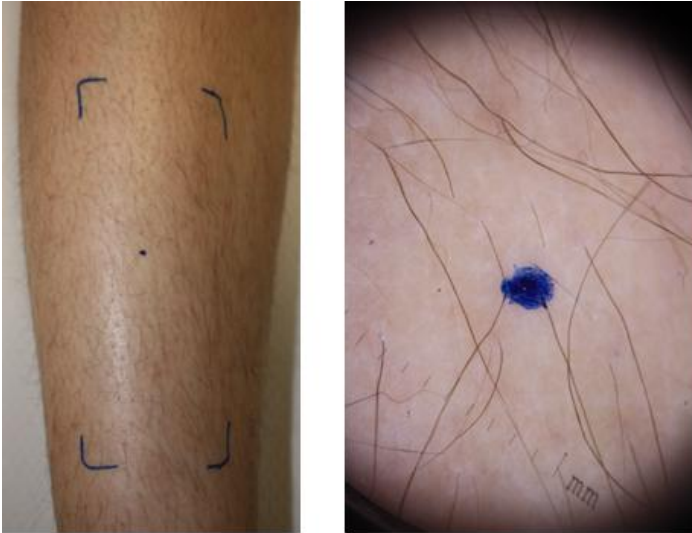
Additional comments

Volunteers No. 6 and 10 commented on the product's odour that they found very appealing comparing to similar products they have used in the past.

Due to ineffective hair length, an area other than the shin was chosen to the following volunteers (Volunteer No. 2: thigh and Volunteers No. 6, 7, 10: forearm). The efficacy of the cream was similar to the entire panel regardless of the application area.

Representative comparative examples

Example 1 (Vol. 1)



Picture 1a. Before depilation



Picture 1b. Immediately after depilation

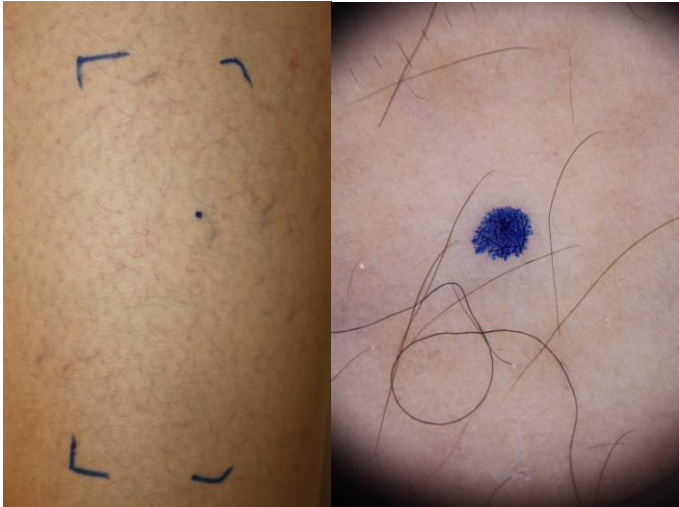
Dermatologist's comments on Example 1

Immediately after depilation:

Hair removal efficacy grade 4 (>75% of hair removed).

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Example 2 (Vol. 2)



Picture 2a. Before depilation



Picture 2b. After depilation

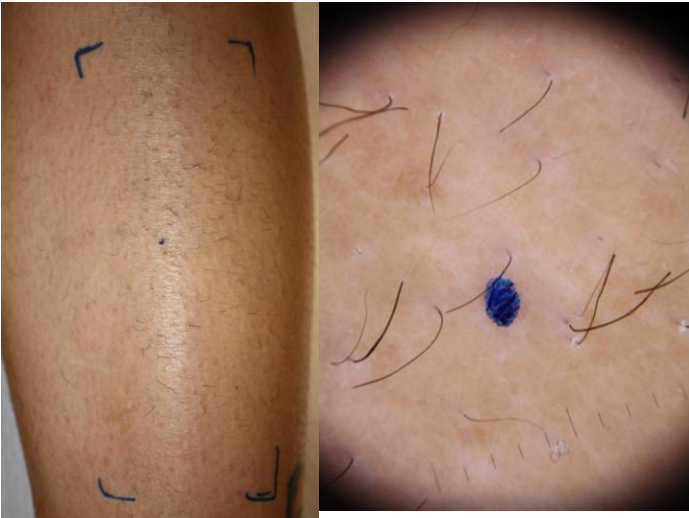
Dermatologist's comments on Example 2

Immediately after depilation:

Hair removal efficacy grade 4 (>75% of hair removed).

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Example 3 (Vol. 5)



Picture 3a. Before depilation



Picture 3b. After depilation

Dermatologist's comments on Example 3

Immediately after depilation:

Hair removal efficacy grade 4 (>75% of hair removed).

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Example 4 (Vol. 9)



Picture 4a. Before depilation



Picture 4b. After depilation

Dermatologist's comments on Example 4

Immediately after depilation:

Hair removal efficacy grade 4 (>75% of hair removed).

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CONCLUSIONS

The objective of the study was to investigate the efficacy of hair removal of the product 'BLENIOR DEPILATORY CREAM NORMAL SKIN (TK001)', in a controlled panel test.

10 healthy female volunteers with leg/ arm hair, were included in the study. The product was used on the shin, thigh or forearm according to the indications of the dermatologist. After depilation, a clinical evaluation regarding the level of efficacy, was performed by the dermatologist, with the aid of photos, macroscopic and dermoscopic. The volunteers were asked to answer a questionnaire regarding the product, 2 weeks after depilation.

The study was conducted under the supervision of a dermatologist.

Auto-evaluation - Questionnaire

The product 'BLENIOR DEPILATORY CREAM NORMAL SKIN (TK001)' scored:

- 94% on the impact on the skin (absence of redness, burning, peeling, itching etc.)
- 90% on the ease of use
- 86% on hair removal efficacy
- 60% on the efficacy of hair removal from the root
- 68% on smoothness/softness sensation, up to 2 weeks
- 100% on purchase intention
- 100% on recommendation intention

Clinical evaluation - Photos

The product 'BLENIOR DEPILATORY CREAM NORMAL SKIN (TK001)' was well tolerated. Additionally, it was applied and removed with ease.

Overall, the product has been able to effectively remove body hair.

Full name and Signature of the Investigator
Printed name : Dr. Christos Prevezas
Date : 07/03/2016

Dr Christos PREVEZAS
Dermatologist - Venereologist

Study Manager:
Printed name : Yiannis Kapetanstratakis
Date : 07/03/2016



Results refer to the sample as received and analyzed on the period specified.

The test report shall not be reproduced except in full, without written approval of the laboratory.

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ANNEX 1 - QUESTIONNAIRE

ΕΡΩΤΗΜΑΤΟΛΟΓΙΟ

Όνοματεπώνυμο	
Ηλικία	
Φύλο	
Προϊόν	BLENIOR DEPILATORY CREAM NORMAL SKIN (TK001)

Σύμφωνα με τα ακόλουθα κριτήρια αξιολόγησης,

- 1- ΑΠΩΘΗΤΙΚΟ
- 2- ΜΗ ΙΚΑΝΟΠΟΙΗΤΙΚΟ
- 3- ΑΠΟΔΕΚΤΟ
- 4- ΚΑΛΟ
- 5- ΑΡΙΣΤΟ,

παρακαλούμε χαρακτηρίστε, βαθμολογώντας από το 1 μέχρι το 5, το παραπάνω προϊόν:

Πώς κρίνετε το παραπάνω προϊόν ως προς:	
1. Την επίδρασή του στο δέρμα (ερεθισμός, αίσθηση καψίματος, απολέπιση, φαγούρα);	
2. Την ευκολία χρήσης;	
3. Την ποσότητα των τριχών που αφαιρεί μετά από μία χρήση;	
4. Την αφαίρεση των τριχών από τη ρίζα;	
5. Την αποτελεσματικότητα μετά από χρήση δύο εβδομάδων;	

Παρακαλούμε απαντήστε με ΝΑΙ ή ΟΧΙ στα ακόλουθα ερωτήματα:

Θα αγοράζατε αυτό το προϊόν;	
Θα συστήνατε αυτό το προϊόν;	

Έχετε κάποιο άλλο σχόλιο ή υποδείξεις σχετικά με το προϊόν;

.....
.....
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Υπογραφή του εθελοντή

.../.../2016

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ANNEX 2 - PHOTO

