KIDS-BTG001-ONG

Clinical Study Report

A safety test of 'Dr.LIBEAUTE HAND SANITIZER(GEL TYPE) and Dr.LIBEAUTE HAND SANITIZER(SPRAY TYPE)' after 24 hours patch on human skin

Date : July 29, 2020

Requested by : Ongoong Co., Ltd. (Korea)

Performed by : Korea Institute of Dermatological Sciences (Korea)

Korea Institute of Dermatological Sciences

Contents

Appendices

STATEMENT FOR SUBMISSION

As Ongoong Co., Ltd. requested that Korea Institute of Dermatological Sciences determines a safety test of 'Dr.LIBEAUTE HAND SANITIZER(GEL TYPE) and Dr.LIBEAUTE HAND SANITIZER(SPRAY TYPE)' after 24 hours patch on human skin, Korea Institute of Dermatological Sciences conducted this clinical study according to the regulations of designation as the test institution for drugs, quasi-drugs, cosmetics, and medical devices; the guidelines of the management standards for clinical drug evaluations; the guidelines of*in vivo* clinical and*in vitro* evaluation studies; the guidelines of the experimental methods for cosmetic display and advertisements; and the guidelines of the validation of functional cosmetics of the Ministry of Food and Drug Safety, Republic of Korea; the laws of the bioethics and safety of the Ministry of Health and Welfare, Republic of Korea; and the standard operation procedure of the Korea Institute of Dermatological Sciences. The results to be reported are as follows.

July 29, 2020

Clinical trial institution	Korea Institute of Dermatological Sciences	(seal)	
Scientific director	Director, Korea Institute of Dermatological Sciences Adjunct Professor, Department of Cosmetology, Graduate School of Konkuk University	In Sook An, Ph.D.	(seal)
Chief researcher	Director, Korea Institute of Dermatological Sciences Adjunct Professor, Department of Cosmetology, Graduate School of Konkuk University	In Sook An, Ph.D.	(seal)
Assistant Chief Researcher	Assistant chief researcher, Korea Institute of Dermatological Sciences Professor and Dermatology specialist, Department of Dermatology, Konkuk University School of Medicine	Kyu Joong Ahn, M.D., Ph.D.	(seal)
Researchers	Research Director, Korea Institute of Dermatological Sciences	Seung Bin Kwon, Ph.D.	(seal)

INFORMATION OF CLINICAL TRIAL INSTITUTION AND SPONSOR

Title of the clinical study	A safety test of 'Dr.LIBEAUTE HAND SANITIZER(GEL TYPE) and Dr.LIBEAUTE HAND SANITIZER(SPRAY TYPE)' after 24 hours patch on human skin
Case control No.	KIDS-BTG001-ONG

Sponsor requesting the clinical study	Name	Ongoong Co., Ltd.
	Address	480-46, Seobunam-ro, Sinchang-myeon, Asan-si, Chungcheongnam-do , 31544, Republic of Korea
	Tel.	+82 41 429 2233
	E-mail	aromania14@naver.com
Institution performing the clinical study	Name	Korea Institute of Dermatological Sciences
	Address	6th Floor, Tower A, 25, Beobwon-ro 11-gil, Songpa-gu, Seoul, 05 836, Republic of Korea
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Chief researcher	Institution	Korea Institute of Dermatological Sciences	Name	In Sook An, Ph.D.
	Address	6th Floor, Tower A, 25, Beobwon-ro 11-gil, Songpa-gu, Seoul, 05 836, Republic of Korea		
Researchers	Name	Dermatology specialist Kyu Joong Ahn, M.D., Ph.D. Research Director Seung Bin Kwon, Ph.D. Research Engineer Yujeong Kwon·Seulki Yoon Associate Research Engineer Minji Jo·Sujeong Shin·Yoonmi Choi Dasom Shin·Songhee Han ·Heemin Kwon		
	Duration of Study	June 26, 2020 ~ July 29, 2020	Report date	July 29, 2020

CERTIFICATE FOR RELIABILITY ASSURANCE

☐Title of the clinical study A safety test of 'Dr.LIBEAUTE HAND SANITIZER(GEL TYPE) and Dr.LIBEAUTE HAND SANITIZER(SPRAY TYPE)' after 24 hours patch on human skin

☐Case control No. : KIDS-BTG001-ONG

This study was conducted according to the regulations of designation as the test institution for drugs, quasi-drugs, cosmetics, and medical devices; the guidelines of the management standards for clinical drug evaluations; the guidelines of *in vivo* clinical and *in vitro* evaluation studies; the guidelines of the experimental methods for cosmetic display and advertisements; and the guidelines of the validation of functional cosmetics of the Ministry of Food and Drug Safety, Republic of Korea; the laws of the bioethics and safety of the Ministry of Health and Welfare, Republic of Korea; and the standard operation procedure of the Korea Institute of Dermatological Sciences. All procedures were investigated by the person in charge of reliability assurance.

Title of the clinical study	A safety test of 'Dr.LIBEAUTE HAND SANITIZER(GEL TYPE) and Dr.LIBEAUTE HAND SANITIZER(SPRAY TYPE)' after 24 hours patch on human skin				
Date	Step	RA inspection categories	RA inspection result	Approval date	Note
June 26, 2020	Study plan	Reporting plan	Approved	June 26, 2020	
July 06, 2020 ~ July 10, 2020	Performing clinical trial (Measurement progress)	Reporting implementation	Approved	July 10, 2020	
July 13, 2020 ~ July 20, 2020	Analyzing data, Confirming the information on test material	Inspecting raw data	Approved	July 20, 2020	
July 21, 2020 ~ July 28, 2020	Report work	Inspecting draft report	Approved	July 28, 2020	
July 29, 2020	Report final report	Inspecting final report	Approved	July 29, 2020	

This report was prepared on the basis of the experiment results and accurately reflects the data.

July 29, 2020

Scientific Director In Sook An, Ph. D. (seal)

Reliability Assurance Ka Ram Kim, Ph. D. (seal)

SUMMARY OF THE CLINICAL STUDY

Title of the clinical study	A safety test of 'Dr.LIBEAUTE HAND SANITIZER(GEL TYPE) and Dr.LIBEAUTE HAND SANITIZER(SPRAY TYPE)' after 24 hours patch on human skin
Clinical trial institution	Korea Institute of Dermatological Sciences 6th Floor, Tower A, 25, Beobwon-ro 11-gil, Songpa-gu, Seoul, 05 836, Republic of Korea
Trial period	June 26, 2020 (study initiation) ~ July 29, 2020 (study termination) For the study initiation, the person in charge of the study signed the clinical study proposal; for the study termination. the person in charge of the study signed the final report.
Trial period (Measurement period)	July 6, 2020 (First date of visit) ~ July 10, 2020 (End date of visit)
Subjects	Thirty four subjects of either sex who met the inclusion criteria and were not included in the exclusion criteria were selected for this study.
Name of the test materials	Dr.LIBEAUTE HAND SANITIZER(GEL TYPE) (Test material #1) Dr.LIBEAUTE HAND SANITIZER(SPRAY TYPE) (Test material #2)
Methods	Thirty four healthy volunteers participated in the patch test using Finn Chamber on skin. Each of Finn Chambers containing a test material were fixed on the upper back of the subjects after cleaning up the test area with 70% ethanol and drying. 20 μL of a test material was dropped into a filter paper disc placed on 8 ㎜ Finn Chamber. The test material was applied after dilution water. The test area was assessed at 30 minutes, 24 hours and 48 hours after a single application during 24 hours patch on the subjects. Skin reactions were scored by a dermatology specialist, following the criterion of International Contact Dermatitis Research Group (ICDRG).
Results	Requested by Ongoong Co., Ltd., skin reaction was assessed at 30 minutes, 24 hours and 48 hours after a single application during 24 hours patch of 'Dr.LIBEAUTE HAND SANITIZER(GEL TYPE) and Dr.LIBEAUTE HAND SANITIZER (SPRAY TYPE)' on human skin. According to the criterion of International Contact Dermatitis Research Group (ICDRG), mean score was calculated after categorizing the degree of skin reaction. No skin reaction was noticed at 30 minutes, 24 hours and 48 hours after removing patch of 'Dr.LIBEAUTE HAND SANITIZER (GEL TYPE)' on the test area and the mean score obtained was 0.00. Thus, the test material can be considered as non irritant. No skin reaction was noticed at 30 minutes, 24 hours and 48 hours after removing patch of 'Dr.LIBEAUTE HAND SANITIZER(SPRAY TYPE)' on the test area and the mean score obtained was 0.00. Thus, the test material can be considered as non irritant.

Conclusion	Requested by Ongoong Co., Ltd. 'Dr.LIBEAUTE HAND SANITIZER(GEL TYPE) and Dr.LIBEAUTE HAND SANITIZER(SPRAY TYPE)' can be considered as non irritant according to the results of the safety test.

Ⅰ. Purpose

This clinical study aims to evaluate the safety of 'Dr.LIBEAUTE HAND SANITIZER(GEL TYPE) and Dr.LIBEAUTE HAND SANITIZER(SPRAY TYPE)' after 24 hours patch on human skin.

Ⅱ. Trial Period

June 26, 2020 through July 29, 2020

Ⅲ. Clinical Trial Institution

Institution : Korea Institute of Dermatological Sciences
Address : 6th Floor, Tower A, 25, Beobwon-ro 11-gil, Songpa-gu, Seoul, 05836, Republic of Korea
Tel. : +82 1566 8668
Fax : +82 2 6957 8004
E-mail : research@skinresearch.or.kr
Website : www.skinresearch.or.kr
Researchers : Dermatology specialist Kyu Joong Ahn, M.D., Ph.D.
Research Director Seung Bin Kwon, Ph.D.
Research Engineer Yujeong Kwon·Seulki Yoon
Associate Research Engineer Minji Jo·Sujeong Shin·Yoonmi Choi
Dasom Shin·Songhee Han·Heemin Kwon

Ⅳ. Sponsor

Company : Ongoong Co., Ltd.
Client : Lee Seung Jae
Address : 480-46, Seobunam-ro, Sinchang-myeon, Asan-si, Chungcheongnam-do, 31544, Republic of Korea
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Fax : +82 41 544 8015
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V. Methods

1. Subjects

Male and female volunteers over the age of twenty were selected on the basis of predetermined inclusion and exclusion criteria. The volunteers satisfied all 1) the inclusion criteria and were not in conflict with any of 2) the exclusion criteria. The person in charge of the examination or the examiner who was delegated by the person in charge informed the subjects of all of the matters related to the tests, and the subjects gave their written informed consent voluntarily before participation in the study.

1) Inclusion criteria

(1)Person who voluntarily signed the informed consent form after understanding the matters explained by the researcher or the person delegated by the researcher

(2) Healthy volunteers over the age of twenty without acute or chronic physical diseases, including any skin diseases

(3) Person available for follow-up during the testing period

2) Exclusion criteria

A person with any of the following factors was excluded from the study

(1) Woman who was pregnant, breast feeding or potentially pregnant

(2) Person who had been treated with any external application containing steroids for a skin disease treatment more than 1 month

(3) Person who had participated in the same test within the last 4 weeks

(4) Person with sensitive or hypersensitive skin

(5) Person with skin abnormality on the test area, including moles, acne, erythema, and dilated capillaries

(6) Person taking any oral contraceptive, antihistamine or anti-inflammatory

(7) Person presenting severe irritation or allergy to patch

(8) Person considered to be unsuitable for the test

3) Withdrawal standards

Participants were withdrawn for the following reasons and the following criteria were reported on the final report.

(1) An adverse event, such as itching or erythema at the test area

(2) Hindrance of the evaluation due to a medical treatment, application of another product, excessive UV exposure, or excessive drinking or smoking during the trial period

(3) Inability to participate in a follow-up appointment during the trial period due to personal reasons

(4) Person who flouted the directions without specific reason

2. Test area

On the upper back

3. Test materials application

The responsibility to examine and secure the physicochemical properties and safety of the test materials used in this test is on the sponsor, and the Korea Institute of Dermatological Sciences (KIDS) does not perform any additional analytical procedure to determine the physicochemical properties of the test materials. KIDS keep the test materials for 180 days from the date of publication and discard it if there is no request from sponsor. The test materials are stored at room temperature (1~30℃) avoiding high temperatures and direct sunlight.

1) Test materials information

(1) Name of test materials

① Test material #1 : Dr.LIBEAUTE HAND SANITIZER(GEL TYPE)

② Test material #2 : Dr.LIBEAUTE HAND SANITIZER(SPRAY TYPE)

(2) Management number of test materials

① Test material #1 : M-KIDS-BTGP01-ONG

② Test material #2 : M-KIDS-BTGP02-ONG

(3) Test Sponsor : Ongoong Co., Ltd.

(4) Product type

① Test material #1 : Colorless transparent gel type

② Test material #2 : Colorless transparent liquid type

(5) Ingredients : See Appendix 2

2) Usage and quantity of test materials

(1)A researcher cleaned up the upper back of all subjects with 70% ethanol and dried them.

(2) Each of Finn Chambers containing a test material were fixed on the upper back of the subjects. 20 μL of a test material was dropped into a filter paper disc placed on 8 ㎜ Finn Chamber. The test material was applied after dilution with sterile distilled water.

(3) The patches were left in 24 hours.

4. Evaluation

1) Test location

All clinical studies were conducted in the controlled temperature and humidity room (temperature: 22±2℃, humidity : 50±5%).

2) Measurements

(1) A safety test after 24 hours patch on human skin

To evaluate the safety of the test materials by the patch test on human skin, 34 subjects participated in this clinical study. A researcher cleaned up the test area on the upper back of the subjects with 70% ethanol and dried them. Each of Finn Chambers containing a test material were fixed on the upper back of the subjects. 20 μL of a test material was dropped into a filter paper disc placed on 8 ㎜ Finn Chamber. The test material was applied after dilution with sterile distilled water. After removing the patches, the test area was marked with a marking pen (Skin marker pen, DeRoyal, Inc., USA).

The measurements for skin reaction were undertaken by a dermatology specialist in 30 minutes, 24 hours and 48 hours after removing the patches, according to International Contact Dermatitis Research Group (ICDRG) criterion in table 1. Mean score was calculated with the formula for the degree of the average skin reaction. Then, the irritant degree of the test material was finally assessed according to the grading scale for the results of patch test on skin in table 2.

Table 1. Criterion of International Contact Dermatitis Research Group

Notation	Score	Description
-	0	Negative
±	0.5	Doubtful or slight reaction and erythema
+	1	Erythema + Induration
++	2	Erythema + Induration + Vesicle
+++	3	Erythema + Induration + Bullae

*Criterion of skin reaction
■ Negative (-) : No skin changes
■ Doubtful or slight reaction and erythema (±) : Faint, non-palpable erythema
■ Erythema + hduration (+) : Weak positive reaction. Palpable erythema – moderate edema or infiltrate, papules not present or scarce, vesicles not present
■ Erythema + hduration+ Vesicle (++) : Strong positive reaction. Strong infiltrate, numerous papules, vesicles present
■ Erythema + hduration+ Bullae (+++) : Extreme positive reaction. Coalescing vesicles bullae or ulceration

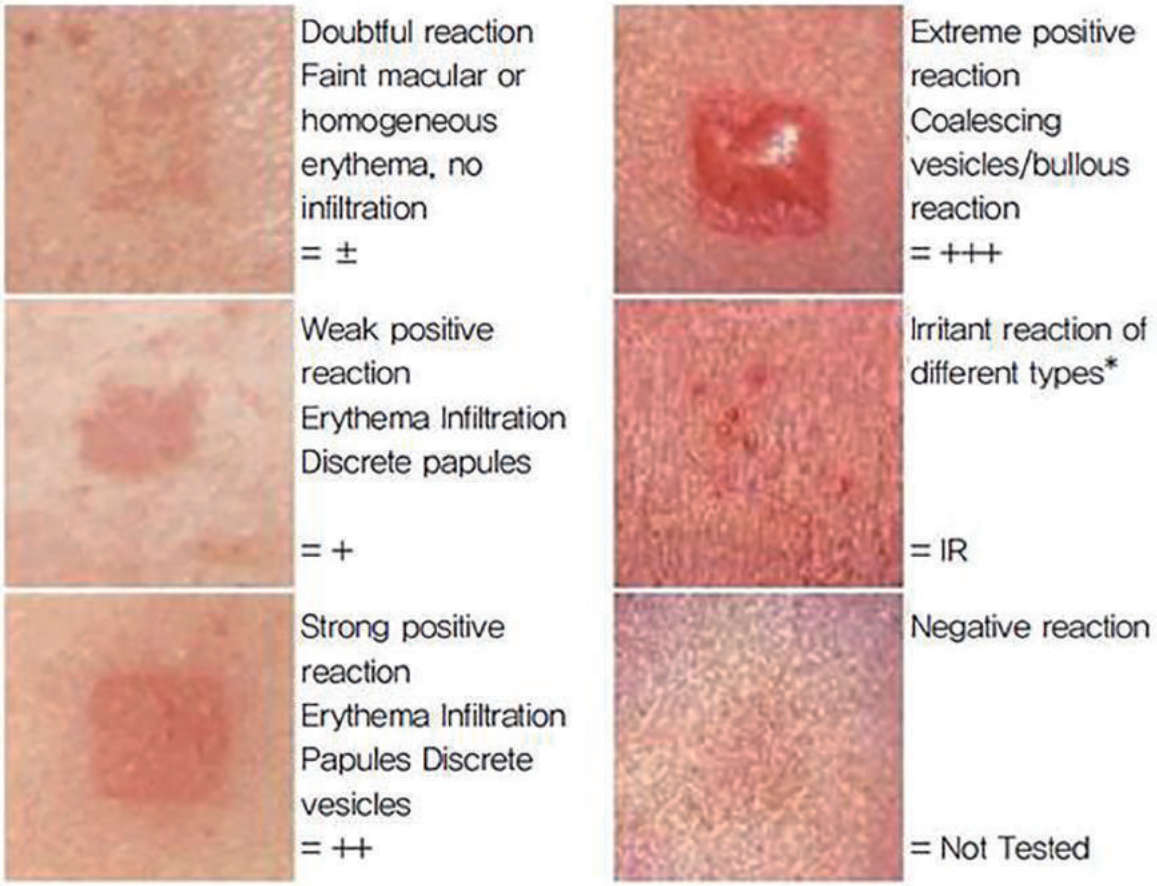

Figure 1. Criterion of International Contact Dermatitis Research Group

※ The formula for the degree of the average skin reaction

$$\text{Mean score} = \frac{(A+B+C) \times 100}{3\ (\text{maximum score}) \times \text{No.of total subjects} \times \text{No.of evaluation}}$$

$$A = \sum_{i=1}^{n} \text{Score}\, i \qquad B = \sum_{j=1}^{n} \text{Score}\, j \qquad C = \sum_{k=1}^{n} \text{Score}\, k$$

i = Number of total subjects with skin reaction in 30 minutes after removing patches

j = Number of total subjects with skin reaction in 24 hours after removing patches

k = Number of total subjects with skin reaction in 48 hours after removing patches

$\text{Score}_{i,j,k}$ = As the score indicating results of patch test in 30 minutes, 24hours and 48 hours after removing patches in accordance with ICDRG criterion, it is applied to both of erythema and edema.

Table 2. Grading scale for the results of patch test on skin

Grade	Mean score
Non irritant (1)	0.00~0.75
Very slightly irritant (2)	0.76~1.50
Slightly irritant (3)	1.51~2.50
Moderately irritant (4)	2.51~4.00
Strong irritant (5)	4.01~

(2) Survey

Seven multiple choice questions were asked to subjects for survey of skin condition characteristics.

5. Adverse events

Adverse events, including erythema, edema, scaling, itching, stinging, burning, tightness, prickling, and other abnormalities, were visually examined and described on the case report form at every visit. The records included the degree of symptoms and whether these were mild, moderate, or severe. Each subject's attendance was also recorded. Whether the participant was excluded from the study due to withdrawal was also noted. If a subject was unable to continue in the study, she signed an abandonment consent form.

6. Statistical analysis

SPSS 17.0 for Windows was used for statistical analysis. For the analysis of the survey, averages, standard deviations, frequencies, and percentages were calculated.

VI. Results

1. General characteristics of the subjects

The general characteristics of the participants are shown in Table 3.

Table 3. General characteristics of the subjects

Subjects registered	34
Subjects completed	34
Gender	Male and Female
Average age (years)	47.44
Standard deviation (SD)	9.58

The age distribution of the subjects is shown in Figure 2 (see Appendix 1 for details).

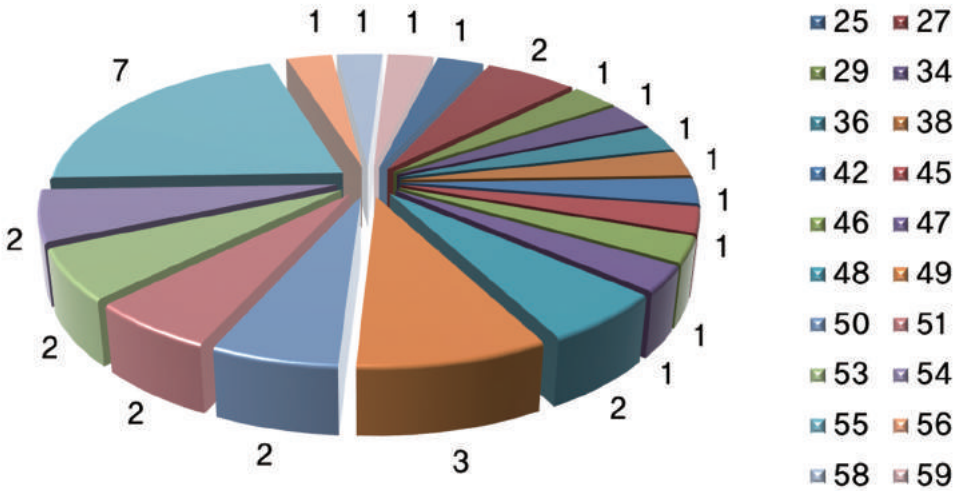

Figure 2. Age distribution of subjects.

2. Evaluation of the safety of the test materials by the patch test on human skin

The evaluation results of safety using patch test on human skin are shown in Table 4.

No skin reaction was noticed at 30 minutes, 24 hours and 48 hours after removing patch of 'Dr.LIBEAUTE HAND SANITIZER(GEL TYPE)' on the test area and the mean score obtained was 0.00. Thus, the test material can be considered as non irritant. No skin reaction was noticed at 30 minutes, 24 hours and 48 hours after removing patch of 'Dr.LIBEAUTE HAND SANITIZER(SPRAY TYPE)' on the test area and the mean score obtained was 0.00. Thus, the test material can be considered as non irritant. The evaluation details are shown in Appendix 1.

Table 4. Results of patch test on skin

No. of test materials	Material name	No. of positive case	Score of skin reaction			Mean score of skin reaction
			after 30 min.	after 24 hrs.	after 48 hrs.	
#1	Dr.LIBEAUTE HAND SANITIZER(GEL TYPE)	0	0.0	0.0	0.0	0.00
#2	Dr.LIBEAUTE HAND SANITIZER(SPRAY TYPE)	0	0.0	0.0	0.0	0.00

3. Survey for skin condition characteristics of the subjects

Survey results of the skin condition characteristics are shown in Table 5.

Table 5. Skin condition characteristics (N=34)

Question		Frequency	Percentage (%)
Skin type	Oily	1	2.9
	Dry	16	47.1
	Neutral	12	35.3
	Complex	5	14.7
Troubled skin	Yes	0	0.0
	No	34	100.0
Have any skin trouble	Yes	0	0.0
	No	34	100.0
Event of any side effect by cosmetics within the last one year	Yes	0	0.0
	No	34	100.0
Allergic to metal (nickel)	Yes	0	0.0
	No	34	100.0
Experience of any infantile eczema or atopic dermatitis	Yes	0	0.0
	No	34	100.0
Allergic to sunlight (photosensitive)	Yes	0	0.0
	No	34	100.0
Total		34	100.0

Ⅶ. Conclusions

As requested by Ongoong Co., Ltd., Korea Institute of Dermatological Sciences conducted a clinical study of thirty four subjects for a safety test of 'Dr.LIBEAUTE HAND SANITIZER(GEL TYPE) and Dr.LIBEAUTE HAND SANITIZER(SPRAY TYPE)' after 24 hours patch on human skin. According to the criterion of International Contact Dermatitis Research Group (ICDRG), mean score was calculated after categorizing the degree of skin reaction.

No skin reaction was noticed at 30 minutes, 24 hours and 48 hours after removing patch of 'Dr.LIBEAUTE HAND SANITIZER(GEL TYPE)' on the test area and the mean score obtained was 0.00. Thus, the test material can be considered as non irritant. No skin reaction was noticed at 30 minutes, 24 hours and 48 hours after removing patch of 'Dr.LIBEAUTE HAND SANITIZER(SPRAY TYPE)' on the test area and the mean score obtained was 0.00. Thus, the test material can be considered as non irritant.

As requested by Ongoong Co., Ltd., 'Dr.LIBEAUTE HAND SANITIZER(GEL TYPE) and Dr.LIBEAUTE HAND SANITIZER(SPRAY TYPE)' can be considered as non irritant according to the results of the safety test.

Appendices

[Appendix 1] Detailed Data

[Appendix 2] Ingredients of Test Materials

[Appendix 3] Researchers' Profiles in the Institution

[Appendix 4] Major Facilities in the Institution

[Appendix 1] Detailed Data

1. Basic information about the subjects

Subject No.	Subject identification code	Age	Gender
1	2007-BTG001-001	55	Female
2	2007-BTG001-002	55	Female
3	2007-BTG001-003	56	Female
4	2007-BTG001-004	49	Female
5	2007-BTG001-005	46	Female
6	2007-BTG001-006	58	Female
7	2007-BTG001-007	55	Female
8	2007-BTG001-008	59	Female
9	2007-BTG001-009	38	Female
10	2007-BTG001-010	48	Female
11	2007-BTG001-011	48	Female
12	2007-BTG001-012	51	Female
13	2007-BTG001-013	36	Female
14	2007-BTG001-014	34	Female
15	2007-BTG001-015	50	Female
16	2007-BTG001-016	54	Female
17	2007-BTG001-017	50	Female
18	2007-BTG001-018	45	Female
19	2007-BTG001-019	55	Female
20	2007-BTG001-020	53	Female
21	2007-BTG001-021	29	Male
22	2007-BTG001-022	25	Male
23	2007-BTG001-023	49	Female
24	2007-BTG001-024	55	Female
25	2007-BTG001-025	55	Female
26	2007-BTG001-026	54	Female
27	2007-BTG001-027	27	Female
28	2007-BTG001-028	55	Female
29	2007-BTG001-029	49	Male
30	2007-BTG001-030	53	Female
31	2007-BTG001-031	47	Female
32	2007-BTG001-032	42	Female
33	2007-BTG001-033	27	Female
34	2007-BTG001-034	51	Female
Average		47.44	Male : 3 Female : 31
Standard deviation (SD)		9.58	

2. Evaluation results of safety using patch test

(1) Safety assessment of the test material #1

34 subjects		Male : 3 / Female : 31		Test material #1 : Dr.LIBEAUTE HAND SANITIZER(GEL TYPE)		
No.	Subject identification code	Age	Gender	after 30 min.	after 24 hrs.	after 48 hrs.
1	2007-BTG001-001	55	Female	-	-	-
2	2007-BTG001-002	55	Female	-	-	-
3	2007-BTG001-003	56	Female	-	-	-
4	2007-BTG001-004	49	Female	-	-	-
5	2007-BTG001-005	46	Female	-	-	-
6	2007-BTG001-006	58	Female	-	-	-
7	2007-BTG001-007	55	Female	-	-	-
8	2007-BTG001-008	59	Female	-	-	-
9	2007-BTG001-009	38	Female	-	-	-
10	2007-BTG001-010	48	Female	-	-	-
11	2007-BTG001-011	48	Female	-	-	-
12	2007-BTG001-012	51	Female	-	-	-
13	2007-BTG001-013	36	Female	-	-	-
14	2007-BTG001-014	34	Female	-	-	-
15	2007-BTG001-015	50	Female	-	-	-
16	2007-BTG001-016	54	Female	-	-	-
17	2007-BTG001-017	50	Female	-	-	-
18	2007-BTG001-018	45	Female	-	-	-
19	2007-BTG001-019	55	Female	-	-	-
20	2007-BTG001-020	53	Female	-	-	-
21	2007-BTG001-021	29	Male	-	-	-
22	2007-BTG001-022	25	Male	-	-	-
23	2007-BTG001-023	49	Female	-	-	-
24	2007-BTG001-024	55	Female	-	-	-
25	2007-BTG001-025	55	Female	-	-	-
26	2007-BTG001-026	54	Female	-	-	-
27	2007-BTG001-027	27	Female	-	-	-
28	2007-BTG001-028	55	Female	-	-	-
29	2007-BTG001-029	49	Male	-	-	-
30	2007-BTG001-030	53	Female	-	-	-
31	2007-BTG001-031	47	Female	-	-	-
32	2007-BTG001-032	42	Female	-	-	-
33	2007-BTG001-033	27	Female	-	-	-
34	2007-BTG001-034	51	Female	-	-	-
Grading of skin reaction			±	0.0	0.0	0.0
			+	0.0	0.0	0.0
			++	0.0	0.0	0.0
			+++	0.0	0.0	0.0
Mean score				0.00		
Decision				Non irritant		

(2) Safety assessment of the test material #2

34 subjects		Male : 3 / Female : 31		Test material #2 : Dr.LIBEAUTE HAND SANITIZER(STRAY TYPE)		
No.	Subject identification code	Age	Gender	after 30 min.	after 24 hrs.	after 48 hrs.
1	2007-BTG001-001	55	Female	-	-	-
2	2007-BTG001-002	55	Female	-	-	-
3	2007-BTG001-003	56	Female	-	-	-
4	2007-BTG001-004	49	Female	-	-	-
5	2007-BTG001-005	46	Female	-	-	-
6	2007-BTG001-006	58	Female	-	-	-
7	2007-BTG001-007	55	Female	-	-	-
8	2007-BTG001-008	59	Female	-	-	-
9	2007-BTG001-009	38	Female	-	-	-
10	2007-BTG001-010	48	Female	-	-	-
11	2007-BTG001-011	48	Female	-	-	-
12	2007-BTG001-012	51	Female	-	-	-
13	2007-BTG001-013	36	Female	-	-	-
14	2007-BTG001-014	34	Female	-	-	-
15	2007-BTG001-015	50	Female	-	-	-
16	2007-BTG001-016	54	Female	-	-	-
17	2007-BTG001-017	50	Female	-	-	-
18	2007-BTG001-018	45	Female	-	-	-
19	2007-BTG001-019	55	Female	-	-	-
20	2007-BTG001-020	53	Female	-	-	-
21	2007-BTG001-021	29	Male	-	-	-
22	2007-BTG001-022	25	Male	-	-	-
23	2007-BTG001-023	49	Female	-	-	-
24	2007-BTG001-024	55	Female	-	-	-
25	2007-BTG001-025	55	Female	-	-	-
26	2007-BTG001-026	54	Female	-	-	-
27	2007-BTG001-027	27	Female	-	-	-
28	2007-BTG001-028	55	Female	-	-	-
29	2007-BTG001-029	49	Male	-	-	-
30	2007-BTG001-030	53	Female	-	-	-
31	2007-BTG001-031	47	Female	-	-	-
32	2007-BTG001-032	42	Female	-	-	-
33	2007-BTG001-033	27	Female	-	-	-
34	2007-BTG001-034	51	Female	-	-	-
Grading of skin reaction			±	0.0	0.0	0.0
			+	0.0	0.0	0.0
			++	0.0	0.0	0.0
			+++	0.0	0.0	0.0
Mean score				0.00		
Decision				Non irritant		

[Appendix 2] Ingredients of Test Materials

Dr.LIBEAUTE HAND SANITIZER(GEL TYPE) (Test material #1)
Alcohol, Water, Glycerine, Carbomer, Triethanolamine, Tocopheryl acetate, Pinus Koraiensis Seed Extract, Camellia Sinensis Seed Extract, Melaleuca Alternifolia (Tea Tree) Leaf Oil, Mentha Piperita (Peppermint) Oil, Aloe Barbadensis Leaf Extract, Butylene Glycol, 1,2-Hexanediol, Denatonium Benzoate

Dr.LIBEAUTE HAND SANITIZER(SPRAY TYPE) (Test material #2)
Alcohol, Water, Glycerine, Citrus Limon (Lemon) Fruit Oil, Eucalyptus Globulus Leaf Oil, Pinus Koraiensis Seed Extract, Camellia Sinensis Seed Extract, Aloe Barbadensis Leaf Extract, Butylene Glycol, 1,2-Hexanediol, Tocopheryl acetate, Denatonium Benzoate