



KIDS-BCB008-NSP

## Clinical Study Report

# A Clinical Study of 'GLUTANEX-Whitening In-Shower Body Cream' on the Improvement of Skin Moisture

Date : February 24, 2023

Requested by : Nexus Pharma Co., Ltd. (Korea)

Performed by : Korea Institute of Dermatological Sciences (Korea)



Korea Institute of  
Dermatological Sciences

# CERTIFICATE FOR RELIABILITY ASSURANCE



Title of the clinical study : A clinical study of 'GLUTANEX Whitening In-Shower Body Cream' on the improvement of skin moisture

Case control No. : KIDS-BCB008-NSP

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 clinical study of 'GLUTANEX Whitening In-Shower Body Cream' on the improvement of skin moisture				
Date	Step	RA inspection categories	RA inspection result	Approval date	Note
February 07, 2023	Study plan	Reporting plan	Approved	February 07, 2023	
February 15, 2023	Performing clinical trial (Measurement progress)	Reporting implementation	Approved	February 15, 2023	
February 16, 2023 ~ February 20, 2023	Analyzing data, Confirming the information on test material	Inspecting raw data	Approved	February 20, 2023	
February 21, 2023 ~ February 23, 2023	Report work	Inspecting draft report	Approved	February 23, 2023	
February 24, 2023	Report final report	Inspecting final report	Approved	February 24, 2023	

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

February 24, 2023

Scientific Director

In Sook An, Ph. D. (seal)

Reliability Assurance

Ka Ram Kim, Ph. D. (seal)

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# SUMMARY OF THE CLINICAL STUDY



Title of the clinical study	A clinical study of 'GLUTANEX Whitening In-Shower Body Cream' on the improvement of skin moisture	
Clinical trial institution	Korea Institute of Dermatological Sciences 6th Floor, Tower A, 25, Beobwon-ro 11-gil, Songpa-gu, Seoul, 05836, Republic of Korea	
Sponsor	Nexus Pharma Co., Ltd.	
Chief researcher	In Sook An, Ph.D.	
Researchers	Seungbin Kwon, Il Hong, Yun Kim, Minji Jo, Sugyeong Hong, Hyunkyung Kim, Soyeon Park	
Name of the test material	GLUTANEX Whitening In-Shower Body Cream	
Trial period	February 7, 2023 (Study initiation) ~ February 24, 2023 (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)	February 15, 2023 (End date of visit)	
Inclusion criteria	Female volunteers from twenty to sixty five years old who met the inclusion criteria and were not included in the exclusion criteria were selected for this study.	
The age and number of subjects who completed the final study	Twenty one subjects from thirty six to sixty four (Average 52.00, Standard deviation 6.95) of female	
Methods	Usage of test material	Each subject applied the same amount of test material 'GLUTANEX Whitening In-Shower Body Cream' evenly on the left forearm area and allowed it to be fully absorbed after cleansing.
	Evaluations	The evaluations were conducted by Standard Operating Procedures of KIDS and all of the procedures were investigated by the person in charge of reliability assurance.  1. Measurements 1) Evaluation using Epsilon E100 to assess the skin moisture improvement

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Methods	Evaluations	2. Evaluation of abnormal skin response 3. Survey
Results	1. The evaluation results of skin moisture using Epsilon E100 The skin moisture was increased 394.34% after one-time use of the test material in comparison with the pre-application ( $p < .001$ ).  2. Subjects' abnormal skin responses were not detected during the trial period.	
Conclusion	In the study requested by Nexus Pharma Co., Ltd., 'GLUTANEX Whitening In-Shower Body Cream' was found to be helpful with improving skin moisture.	

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