AIRB Approved
Christopher Staab
DATE 8 /27 /2026

INFORMED CONSENT FORM

An Exploratory Clinical Investigation of a Topical Moisturizer on Skin Barrier Function, Inflammatory Biomarkers, and Skin Microbiome in Adults with Sensitive Skin

Protocol Number	NLP-990
Protocol Version / Date	Version 2.0, 24th August 2026
Sponsor	Good Molecules, LLC — 3711 Market St, Ste 960, Philadelphia, PA 19104, USA. Phone: +1 415-854-8856. Email: lab@goodmolecules.com
Study Site	Sequential Skin Ltd. 7 Pennsylvania Plaza New York, NY 10001, USA
Principal Investigator	Dr. Albert Dashi

KEY INFORMATION ABOUT THIS RESEARCH STUDY

Before you decide whether to participate, it is important to understand why this research is being done and what taking part would involve. The information below provides a summary. Please read the remainder of this consent form for more detailed information before making your decision.

Why is this study being done?

The purpose of this research study is to evaluate whether a marketed moisturizing cream can improve skin barrier function (how well the outer layer of the skin keeps moisture in and protects the skin), skin hydration, skin sensitivity, inflammatory biomarkers (proteins in the skin that can provide information about inflammation), and the skin microbiome (the microorganisms that naturally live on the skin) in adults with sensitive skin, when compared with a commonly used moisturizing ointment (White Petrolatum) a widely used occlusive ointment (an ointment that forms a protective layer over the skin to help reduce moisture loss).

Why have I been invited?

You are being invited because you are between 18 and 55 years of age and have reported having sensitive skin. Approximately 24 participants will take part in this study.

What will I be asked to do?

If you choose to participate and are eligible after screening, you will be involved in the study for approximately 35 days, including:

- Three clinic visits over approximately five weeks.

- Applying the study moisturizer to one forearm and the comparison product (White Petrolatum) to the other forearm twice daily for 28 days Applying the Sponsor-provided SPF 30 sunscreen to both forearms during the study.
- Completing a short questionnaire about your skin symptoms.
- Undergoing non-invasive skin measurements, including skin water loss (TEWL), hydration, and skin surface pH.
- Providing skin microbiome samples using a gentle skin swab.
- Providing protein samples using ten adhesive tape strips applied to each forearm at two study visits.
- Recording your study product applications in a diary.

What are the possible risks?

The risks associated with this study are expected to be minimal. Possible risks include:

- Temporary redness, dryness, itching, burning, stinging, tightness, or irritation from the study products.
- Temporary redness or mild discomfort following skin swab or adhesive tape strip collection.
- A rare allergic reaction to one of the study products or sunscreen.
- There may also be risks that are currently unknown.

Are there any benefits?
You may or may not receive any direct benefit from participating. The information collected during this study may help improve future skincare products for individuals with sensitive skin.
Will I receive payment?
Yes. You will receive USD $50 for each completed study visit, for a maximum of $150 if you complete all scheduled visits. Payment will be made by Wise bank transfer.
Do I have to take part?
No. Participation is completely voluntary. You may decide not to participate or may withdraw from the study at any time without penalty or loss of any benefits to which you are otherwise entitled.
Who can I contact?
If you have questions about the study or experience a study-related problem, please contact the study team using the contact information provided later in this consent form.

INVITATION TO TAKE PART IN A RESEARCH STUDY

You are being invited to take part in a research study of a moisturizing cream. This form explains what the study involves so you can decide whether or not to participate. Please read this information carefully and take as much time as you need. You may discuss it with family, friends, or your doctor before deciding. Taking part in this study is completely voluntary.

This study is sponsored by Good Molecules, LLC and is being conducted at Sequential Skin Ltd. under the direction of Dr. Albert Dashi (Principal Investigator).

WHY IS THIS STUDY BEING DONE?

Sensitive skin is common and can cause burning, stinging, itching, tingling, tightness, or discomfort. Researchers believe this may be linked to a weaker skin barrier, changes in skin hydration and surface pH, and shifts in the community of bacteria that naturally live on the skin (the "skin microbiome").

This study is testing a moisturizing cream to see whether it helps the skin barrier, increases hydration, and supports a balanced skin microbiome in people with sensitive skin, compared with a widely used moisturizing ointment (White Petrolatum). About 24 people will take part in this study at this site.

WHY AM I BEING ASKED TO TAKE PART?

You are being asked to take part because you have reported having sensitive skin and may meet the other requirements for this study, which will be confirmed at your screening visit.

WHAT WILL HAPPEN IF I TAKE PART?

If you agree to take part and are found eligible, your participation will last about 35 days and will involve 3 clinic visits, summarized below.

Visit	When	Approx. Time	What Happens
Visit 1 — Screening / Washout	Day -7 (about 1 week before you start using the products)	30–40 minutes	Sign this consent form; review your health history and medications; skin exam of your forearms; skin-type classification; a first TEWL (water-loss) measurement to confirm you qualify; you will start a 7-day "washout" period and receive sunscreen to use on both forearms. Signing this consent form does not guarantee that you will be enrolled in the study. If the screening assessments show that you do not meet the study eligibility criteria, your participation will end after the screening visit.
Visit 2 — Baseline (Day 0)	Day 0	About 60 minutes	Confirm you still qualify; random assignment of the study moisturizer to one forearm and the comparison product to the other; skin measurements (water loss, hydration, pH); two brief, minimally-invasive skin samples from each forearm (a swab and adhesive tape strips); a short symptom questionnaire; you will receive your study products and a paper diary. A brief safety assessment of your forearms will also be performed, and study staff will ask whether you have experienced any changes in your health or any skin reactions since your screening visit.
Visit 3 — End of Study (Day 28)	Day 28 (± 2 days)	About 60 minutes	Repeat of the Baseline measurements and skin samples; symptom questionnaire; review of your diary, return of all study product containers, product accountability (including weighing returned containers), and a final safety assessment.

Your Own Skin Will Act as Its Own Comparison

This study uses a side-by-side design in which you will use both products, one on each forearm. Which forearm receives the study moisturizer and which receives the comparison product will be decided randomly (by chance, like the flip of a coin) using a computer-generated schedule. You will use both products, twice a day, for 28 days. Because each participant serves as their own comparison, this design helps researchers see differences more clearly with a smaller number of participants.

The person performing your skin measurements will not be told which forearm received which product (this is called "evaluator-blinded"). You will be asked not to reveal your treatment assignment to the evaluator.

Products You Will Use

- Study Moisturizer: Marketed moisturizing cream, applied to one forearm.
- Comparison Product: White Petrolatum, USP (United States Pharmacopeia, meaning it meets recognized quality standards for this ingredient), applied to your other forearm.

- Sunscreen: You will apply the Sponsor-provided SPF 30 sunscreen to both forearms once daily, beginning during the 7-day washout period and continuing throughout the study, according to the study instructions.

You will apply your assigned product to the correct forearm twice a day (morning and night), using 6 pumps each time, following instructions your study coordinator will demonstrate. You will record each application in a paper diary.

Skin Measurements

At some visits, trained study staff will take measurements from marked areas of each forearm using small handheld probes that are gently placed against the surface of your skin using handheld instruments, including:

- Transepidermal Water Loss (TEWL) — measures how much water passes through your skin, an indicator of skin barrier strength.
- MoistureMeterSC— measures skin hydration.
- Skin surface pH (potential of Hydrogen, a measure of how acidic or alkaline the skin surface is).
- A visual skin exam for redness, dryness, irritation, and roughness.

You will also complete a short questionnaire (the Sensitive Scale-10) about how your skin has felt over the previous 3 days.

Skin Samples

At the Baseline and Day 28 visits, two types of gentle, minimally invasive skin samples will be collected from a marked area on each forearm:

- Skin swab — a small sterile, soft-tipped collection tool that is gently rubbed over the skin to collect microorganisms from the skin surface.
- Adhesive tape strips — Study staff will identify and mark a small sampling area on each forearm using a skin-safe marker to help ensure that samples are collected from the correct area. Ten (10) small, circular adhesive discs, approximately 22 mm (about 2.2 cm) in diameter — roughly the size of a U.S. nickel — will be applied one after another to the same marked area of each forearm. Each disc will be pressed against the skin for approximately 5 seconds and then gently removed. The discs collect a very small amount of material from the outermost layer of the skin for laboratory analysis.

Your samples will be labeled only with a unique study identification number rather than your name. Samples will be analyzed at Sequential Bio laboratory for the analyses described in this study. Samples will be stored securely and retained for the period required by Sponsor and regulatory requirements before being destroyed. Your samples will only be used for the research analyses described in this consent form. Your samples will not be used for future unrelated research unless you provide additional permission, where required.

Study Rules While You Are Enrolled

Before each study visit, you should avoid vigorous exercise, hot showers, activities that cause excessive sweating, and sauna use, as these activities may temporarily affect the skin measurements. To keep the study results reliable and to protect your safety, you will be asked to:

- Attend all 3 scheduled visits.
- Apply your assigned products to the correct forearm, twice daily, for 28 days, and record this in your diary.
- Apply the study sunscreen to both forearms daily.
- Not use any other moisturizers, lotions, or topical (applied directly to the skin) products on your forearms during the study.
- Do not use other moisturizers, lotions, medicated creams (for example, steroid creams such as hydrocortisone or other prescription skin treatments), or exfoliating products (for example, scrubs or products containing exfoliating acids such as glycolic acid or salicylic acid) on the study areas of your forearms unless instructed by the study team.
- Avoid excessive sun exposure to your forearms, defined for this study as more than 15 minutes in direct sunlight, and do not use tanning beds during the study. Continue to use the Sponsor-provided SPF 30 sunscreen on both forearms as instructed.
- You should also inform the study team about any new medications, vaccinations, illnesses, or changes in your health during the study.

You may continue your normal routine everywhere else on your body, including normal bathing, showering, diet, and activity.

HOW LONG WILL I BE IN THE STUDY?

Your total participation will last about 35 days: a 7-day washout period before you start using study products, followed by a 28-day treatment period, plus your 3 clinic visits.

WHAT ARE THE RISKS OR DISCOMFORTS OF THE STUDY?

Possible risks include:

- Mild, temporary skin reactions to the study moisturizer or the comparison product, such as redness, dryness, burning, stinging, itching, tightness, or minor discomfort.
- Mild, temporary redness, marking, dryness, tightness, or minor discomfort at the sites where adhesive tape strips or skin swabs are used.
- Rarely, an allergic reaction to a study product or sunscreen. An allergic reaction to a study product or sunscreen may occur. Symptoms may include redness, rash, itching, swelling, hives, burning, or worsening skin irritation. More serious allergic reactions are uncommon but may include swelling of the face, lips, tongue or throat, difficulty breathing, wheezing, dizziness, or fainting. If you experience symptoms of a serious allergic reaction, seek immediate medical attention and inform the study team as soon as possible.
- Repeated tape stripping removes a very small amount of material from the outermost layer of the skin and may temporarily increase redness, dryness, sensitivity, or water loss at the sampling site. Some people may also experience mild irritation from the adhesive.
- Loss of confidentiality (see below), although steps will be taken to minimize this risk.

- Inconvenience related to the time required for study visits and twice-daily product application.

If you experience any concerning or worsening skin reaction, tell the study team right away. If you have a significant reaction or the study team has safety concerns, you may be asked to pause or stop using study products, or you may be withdrawn from the study for your safety.

There may be risks that are not yet known. You will be told about any new information that might affect your willingness to continue in the study.

ARE THERE BENEFITS TO TAKING PART?

You may or may not personally benefit from being in this study; the products used may or may not improve your skin. Information gained from this study may help researchers better understand sensitive skin and may contribute to the future development of skin care products. There is no guarantee of any personal benefit.

WILL I RECEIVE MY RESULTS?

The laboratory analyses performed during this study are for research purposes only. Individual microbiome or biomarker results will not routinely be provided to you and are not intended to diagnose or treat a medical condition.

WHAT OTHER OPTIONS ARE THERE?

Taking part in this study is entirely voluntary. Instead of participating, you may choose to not participate at all, or you may use moisturizing products of your own choosing outside of this study, on the advice of your own doctor if desired.

WILL I BE PAID FOR TAKING PART?

You will be compensated $50 (USD) for each completed study visit, for a total of up to $150 (USD) if you complete all 3 visits. Payment will be made by Wise bank transfer after each completed visit. To receive payment, you will need to provide the information required to process the transfer, such as your Wise account information or applicable banking details. If you withdraw or are withdrawn from the study early, you will be paid for visits you completed, but not for visits you do not complete.

WILL TAKING PART IN THIS STUDY COST ME ANYTHING?

There is no cost to you for taking part in this study. The study products, sunscreen, and study-related procedures will be provided to you at no charge.

HOW WILL MY INFORMATION BE KEPT CONFIDENTIAL?

Your privacy will be protected to the extent permitted by law. You will be assigned a unique study ID number, which will be used on your study records, laboratory samples, and data instead of your name. Information that could directly identify you will be stored separately from your study data, and access will be limited to authorized study personnel.

Your study data may be reviewed by representatives of the Sponsor, study monitors, auditors, the Institutional Review Board (IRB), and regulatory authorities such as the U.S. Food and Drug Administration,

where applicable, to ensure the study is being conducted properly. Your identifiable information will not be included in any publications, presentations, or marketing materials resulting from this study.

Study data may be used by the Sponsor for internal research, product development, scientific publications, conference presentations, and regulatory submissions, but always without disclosing your identity.

Your coded study samples and study data may be used to support product development, scientific publications, conference presentations, and regulatory submissions. You will never be personally identified in any publication or presentation.

WHAT HAPPENS IF I AM INJURED AS A RESULT OF TAKING PART IN THIS STUDY?

If you believe you have experienced a study-related injury, you should contact the Principal Investigator or study staff immediately using the contact information below. The Sponsor (Good Molecules) may pay for medical care that is not covered by your insurance and that is directly related to a study-related injury. You or your insurance company will remain responsible for the costs of routine medical care that you would have received anyway, regardless of taking part in the study.

Apart from the medical treatment described above, no additional money or compensation is guaranteed to you for a study-related injury. By signing this consent form, you do not waive any of your legal rights, and you do not release the study team, study site, or Sponsor from liability for negligence.

DO I HAVE TO TAKE PART IN THIS STUDY?

No. Taking part in this research study is completely voluntary. You may decide not to participate, or you may withdraw from the study at any time, for any reason, without penalty or loss of benefits to which you are otherwise entitled. Your decision will not affect your relationship with the study site or the Sponsor.

The study doctor may also decide to withdraw you from the study without your consent, for reasons such as safety concerns, a significant product reaction, not following study procedures, missing important visits, or if the study is stopped by the Sponsor or IRB.

The Investigator may also discontinue your participation if you become pregnant during the study, if continuing in the study could affect your safety, if you experience a significant reaction to a study product, or if you do not follow important study requirements.

If you withdraw or are withdrawn from the study early, you may be asked to complete safety follow-up procedures so that the study team can check on your health and any ongoing reactions or adverse events.

WHAT IF NEW INFORMATION BECOMES AVAILABLE?

If new information becomes available during the study that might affect your willingness to continue participating, you will be informed promptly.

WHO CAN I CONTACT WITH QUESTIONS?

If you have questions about the study, your participation, or a research-related injury, or if you experience a reaction, you think may be related to the study, please contact:

Principal Investigator: Dr. Albert Dashi albert@sequential.bio or the Clinical Team Sequential Bio clinical@sequential.bio , Phone: +1 (646) 663-5260

This study has been reviewed and approved by an independent Institutional Review Board (IRB). The IRB's job is to protect the rights, safety, and well-being of people who take part in research. The IRB has reviewed this Consent Form, the protocol, and other study documents. If you have questions or concerns regarding your rights as a research participant, you can contact the Allendale IRB by phone: 860-434-5872 or email: subjectrights@allendaleirb.com.

WHAT HAPPENS TO MY SAMPLES?

The samples collected in this study are for research purposes only and will not be used to make decisions about your medical care. Individual laboratory results will not routinely be provided to you because the tests are not intended for diagnosis or treatment.

Samples collected during this study will be identified using a unique study number rather than your name. The samples will be analyzed only for the purposes described in this consent form. Samples may be transferred to Sequential Bio or another Sponsor-approved laboratory for analysis. Samples will be stored securely for the period required by Sponsor and regulatory requirements before being destroyed. Unless you provide additional permission where applicable, your samples will not be used for future unrelated research.

STATEMENT OF CONSENT

Please read each statement carefully. If you agree with each statement, initial or tick each box before signing below.

☐ I confirm that I have read and understood this Participant Information Sheet and Informed Consent Form (Protocol NLP-990, Version 1.0, dated 28 July 2026). I have had sufficient time to consider the information, ask questions, and have received satisfactory answers.

☐ I voluntarily agree to take part in this research study.

☐ I understand that my participation is voluntary and that I am free to withdraw from the study at any time without giving a reason and without penalty or loss of benefits to which I am otherwise entitled.

☐ I understand the purpose of this study, the study procedures, the duration of my participation, and what will be expected of me during the study.

☐ I understand the potential risks and discomforts associated with participation and understand that there may be risks that are currently unknown.

☐ I understand that I may or may not receive any direct benefit from participating in this study.

☐ I understand that my biological samples (skin swabs and adhesive tape strip samples) will be labeled using a study identification number rather than my name and will be analyzed only for the purposes described in this consent form.

☐ I understand that my individual microbiome and biomarker results will not routinely be provided to me because the laboratory analyses are performed for research purposes only and are not intended for clinical diagnosis or treatment.

☐ I authorize the collection, use, storage, and disclosure of my study information as described in this consent form.

☐ I understand that authorized representatives of the Sponsor, the study team, the Institutional Review Board (IRB), regulatory authorities, study monitors, auditors, and Sponsor-approved laboratories may review my study records to ensure that the study is conducted correctly while maintaining confidentiality to the extent permitted by law.

☐ I understand that information collected during this study may be used in scientific publications or presentations; however, I will never be personally identified.

☐ I understand that if new information becomes available during the study that may affect my willingness to continue participating, I will be informed promptly.

☐ I confirm that I will receive a signed copy of this consent form for my records.

Participant Name (print)		**Date**	
Participant Signature		**Date**	
Person Obtaining Consent (print)		**Date**	
Signature of Person Obtaining Consent		**Date**	