

Yogurtolin® Actives

NEW

Prebiotic & Refreshing Care
for Sensitive Skin



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ECOCERT
COSMOS
APPROVED

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We make beauty natural.

At a Glance | Yogurtolin® – Prebiotic & Refreshing Care for Sensitive Skin

Yogurt, as a probiotic food, is a success – it is healthy, it is nutritious, it is tasty. These positive consumer associations are the perfect starting point for developing cosmetic concepts.

Lipoid Kosmetik has rediscovered yogurt’s beneficial properties for the treatment of sensitive skin. Sensitive skin is characterized by a reduced skin microbiome, dryness and irritation. Yogurtolin® strengthens the skin’s microbial and physical barrier, thereby calms and soothes sensitive skin.

In our consumer survey, we demonstrate the power of pre-existing associations: We show that Yogurtolin® provides an instant sensation of skin refreshment, triggered by consumer expectations.

In short, Yogurtolin® is a 100 % natural, COSMOS-approved, spray-dried yogurt concentrate derived from Swiss milk. It is a powerful prebiotic active ingredient best suited for sensitive skin care products.

ACTIVE INGREDIENTS	PROVEN EFFICACY	USER BENEFITS
<ul style="list-style-type: none"> • Yogurt concentrate derived from fermented Swiss milk • Prebiotics (bacterial fermentation products, milk-proteins, milk-vitamins, milk-minerals) 	<p><i>in vivo</i></p> <ul style="list-style-type: none"> • Reestablished skin microbiome and skin barrier <p>Consumer Study</p> <ul style="list-style-type: none"> • Relieved & calmed sensitive skin • Consumer associations of skin cooling 	<ul style="list-style-type: none"> • Prebiotic functionality • Strengthening & regeneration of skin barrier • Calming & soothing of sensitive skin • Instant sensation of skin refreshment

Product Details

Fine yogurt concentrate produced by spray-drying fermented Swiss milk, free of additives and preservatives. Certified as microbiome-friendly and COSMOS-approved.



Yogurt – a Popular Food Associated with Health Benefits

What's tasty and has a lot of health benefits? Yogurt! In most grocery stores, yogurt has practically taken over the dairy section. In fact, the health benefits of yogurt are so impressive that many health-conscious people make it a daily habit.

Yogurt is made from milk in a fermentation process by specific bacteria. These beneficial bacteria are known as probiotics. Probiotics – which literally means 'for life' – refer to living organisms that result in health benefits when eaten (see Info Box). Indeed, scientists confirm that yogurt supports digestion and boosts the functioning of the immune system^[1]. What's more, yogurt is packed with nutrients. Its fermentation process increases the bioavailability of proteins, calcium, vitamins D, B12, riboflavin, potassium, phosphorous or magnesium^[2].

Although yogurt has been part of the human diet for several millennia, the raise of conscious living, healthy nutrition, and active lifestyle has given yogurt's

popularity a boost. The popularity of probiotics is fueled by scientific and public interest in the human microbiome - the interacting ecosystems of bacteria and other microorganisms found throughout the body^[3]. This trend expands now to the cosmetics industry, because the microbiome of the gastrointestinal system is as important to our health as is the microbiome of our skin^[4].

Info Box | What are Probiotics and Prebiotics?

PROBIOTICS

These are living bacteria found in food or supplements.

They provide health benefits.

PREBIOTICS

These are nutrients (carbs, fibers, proteins, etc.).

They support beneficial bacteria.



Fig. 1: Positive associations in the consumer's mind – yogurt is linked to health benefits and active lifestyle.

The Interplay of the Skin Microbiome & Skin Sensitivity

The complex ecosystem of microorganisms that live on our skin is crucial for the way the skin looks, feels and functions. With approximately one million bacteria per square centimeter of skin, our skin microbiome builds a strong microbial barrier, and thereby plays a vital role in keeping our skin healthy, free from sensitivity and even disease^[4].

Skin hydration and natural sebum production provide nutrients to bacteria and are therefore important factors enabling colonization of human skin by microorganisms. Populated by both, 'good' and 'bad' bacteria, these microbial communities communicate with skin cells to boost immunity and strengthen the skin's physical barrier^[5]. This way, a highly populated, balanced and diversified microbiome builds a strong

microbial barrier that actively prevents normal skin from being colonized by opportunistic pathogens.

Many factors can reduce the skin microbiome, from certain skin care products and washing habits, to pollution, UV radiation, and lifestyle factors such as diet and stress. Once the microbial barrier is weakened, potentially harmful microbes can accumulate and disturb the skin's physical barrier. This in turn results in an increased penetration of environmental aggressors, skin irritation and moisture loss^[6]. Dehydrated skin is a poor habitat for bacteria, which further reduces the skin microbiome. Hence, skin sensitivity, dryness, itchiness, irritation, inflammation and redness are all signs of a potentially weakened microbial barrier (Fig. 2).

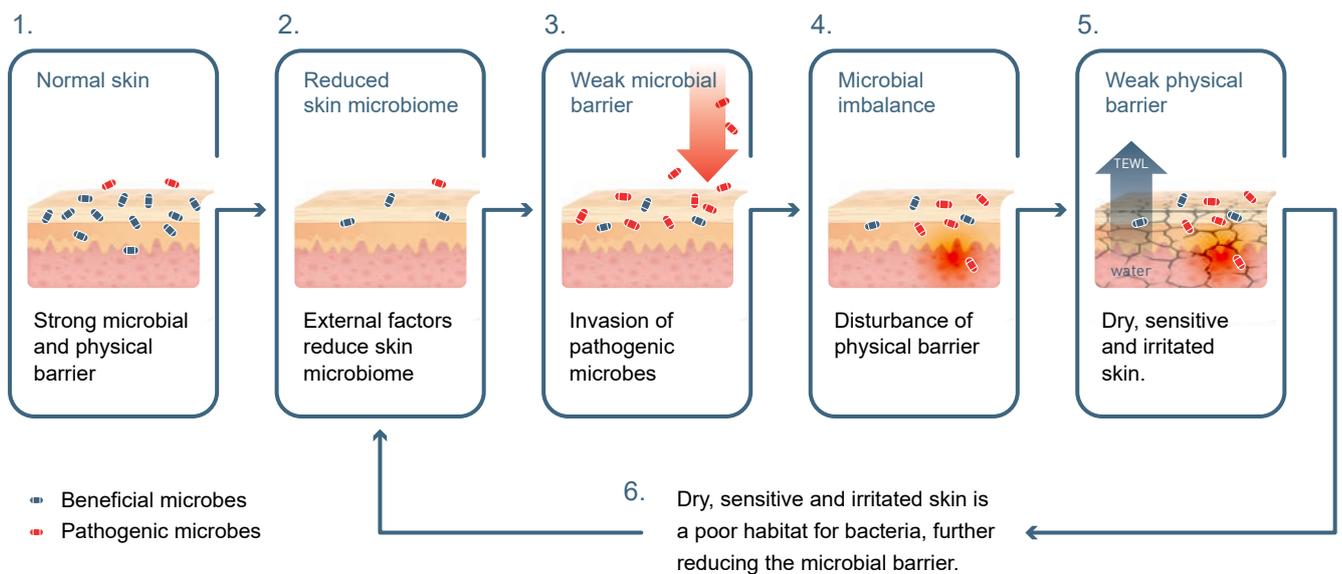


Fig. 2: The interplay between the skin microbiome, physical skin barrier function and skin sensitivity. A reduced microbial barrier disturbs the physical barrier leading to dry and sensitive skin. Dry and sensitive skin further reduces the microbial barrier.

A vicious cycle: a reduced microbial barrier causes dry skin, and dry skin further reduces the microbial barrier.

The Power of Prebiotics in Strengthening the Microbial Barrier

A strong microbial barrier is a prerequisite for a strong physical barrier, and, hence, for a healthy and hydrated skin. The skin microbiome can be restored with the help of prebiotic skin care products, such as yogurt. Prebiotics are naturally occurring nutrients that act like fertilizers – creating an ideal environment for a strong and balanced skin microbiome (Fig. 3).



Fig. 3: Dynamics of a self-reinforcing cycle for healthy skin. Prebiotics, such as yogurt, strengthen the microbial skin barrier and thereby support the physical skin barrier. Hydrated and healthy skin, in turn, provides a suitable environment for beneficial skin microbes.

Yogurtolin® – Nourishing Food for the Skin Microbiome

Yogurt itself is a perfect, ready-to-use prebiotic cream gel – a light formulation, full of vitamins, minerals and proteins. Yogurt is the ideal environment for skin microbes and is particularly helpful in recovering a low-level skin microbiome that is typical for sensitive skin.

Lipoid Kosmetik's Yogurtolin® is a spray-dried yogurt concentrate derived from fermented Swiss milk, free of additives and preservatives. It is certified as microbiome-friendly, it is COSMOS-approved, and it is of 100 % natural origin (Fig. 4).



Fig. 4: Yogurtolin® is a natural, spray-dried yogurt concentrate derived from fermented Swiss milk. It is packed with nutrients that act as prebiotics to support a balanced and strong microbial barrier on human skin.

Mode of Action | Yogurtolin® is Ideal for Sensitive Skin Care

Lipoid Kosmetik has rediscovered yogurt's beneficial properties for sensitive skin, and makes use of pre-existing consumer associations linked to yogurt.

- **Prebiotic functionality:** Sensitive skin is characterized by low levels of skin microbiota. Yogurtolin® is a natural, prebiotic ferment that reinforces the skin's microbial barrier by creating a favorable environment for a balanced skin microbiome.
- **Improvement of sensitive skin:** Sensitive skin is characterized by dryness and irritation. Yogurtolin® regenerates the physical skin barrier and reduces skin discomfort: it calms and soothes sensitive skin.
- **The power of associations:** The value of Yogurtolin® as skin care ingredient is not only based on its efficacy, but also on its pre-existing, positive consumer associations (e.g. yogurt is associated with cooling and refreshing properties). These associations add value by reinforcing product experience of yogurt-based cosmetic concepts.

Taken together, Yogurtolin® is a powerful prebiotic and natural concentrate derived from Swiss milk. It is best suited for sensitive skin care products that are supposed to restore the microbial and physical skin barrier and add a sensation of refreshment and cooling to irritated skin.

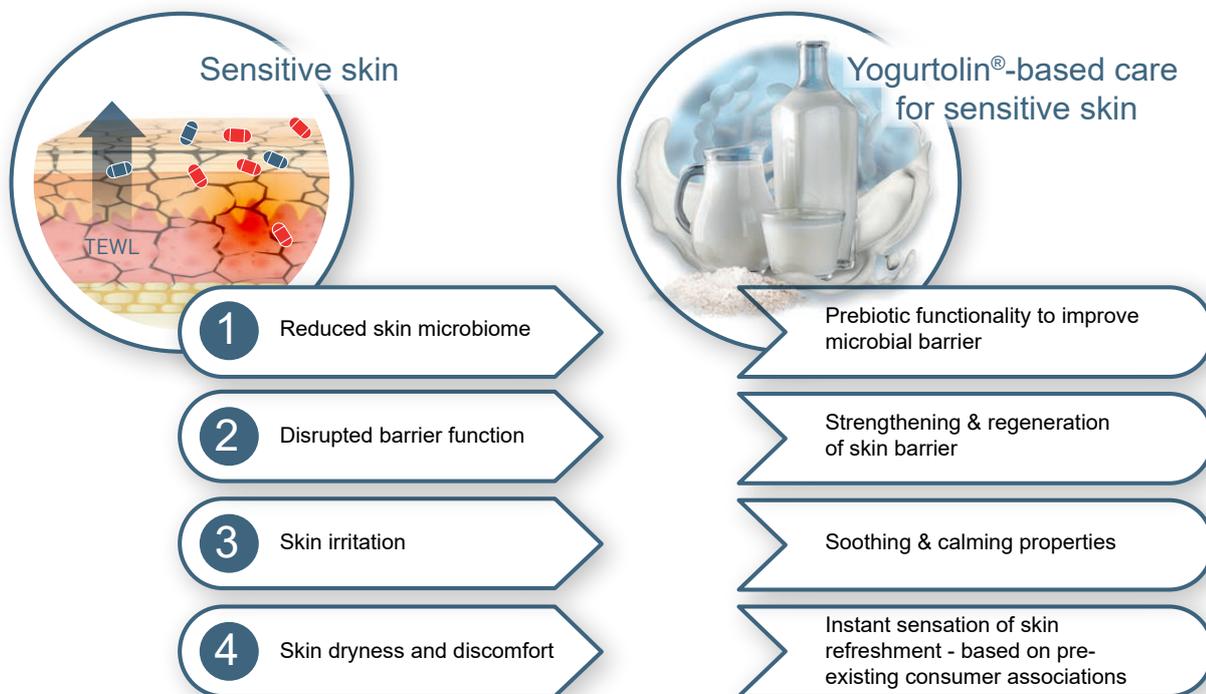


Fig. 5: Yogurtolin® counteracts sensitive skin by improving the microbial and physical skin barrier, by soothing and calming of irritated skin, and by providing an instant sensation of skin refreshment to the consumer.

Consumer Survey | Powerful Associations Linked to Yogurt in Cosmetics

Objective

To identify consumer associations linked to yogurt with the purpose to build cosmetic concepts on positive attributes already present in the consumer's mind.

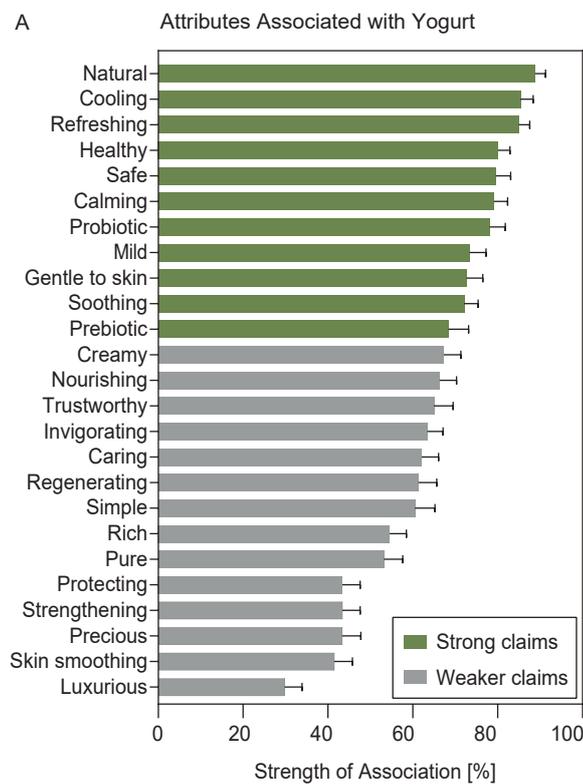
Technique

54 volunteers were asked whether they would associate certain attributes to yogurt as a cosmetic ingredient using a scale from 0 to 100.

Study Details

Design	Consumer Survey
Test Panel	54 volunteers (32 women, 22 men)
Test Substances	Questionnaire rating 25 properties on a scale from 0 to 100, where 0 means no association and 100 means strong association to yogurt as a cosmetic ingredient
Primary Endpoint	Finding the most relevant claims for yogurt-based cosmetic concepts

Result



B Cosmetic Benefits of Yogurt in the Consumer's Mind



Prebiotic & Microbiome Friendly



Calming & Soothing



Cooling & Refreshing

Fig. 6: Yogurt evokes strong pre-existing associations for cosmetic concepts. (A) Survey, in which consumers rated their associations of yogurt in cosmetics on a scale from 0 (= no association) to 100 (= strongest association). We consider the top pre-existing consumer association as very useful claims for yogurt-based cosmetic concepts. (B) Derived cosmetic benefits that are associated with yogurt in the consumer's mind. N = 54, Mean + SEM.

Conclusion

Consumers have very clear expectations of yogurt as a cosmetic ingredient: They associate yogurt with natural, healthy, microbiome strengthening, calming, gentle and refreshing properties. Based on these asso-

ciations, yogurt offers ample opportunities for building cosmetic concepts. In the following, we have substantiated these consumer expectations by several studies.

**Consumers associate yogurt with positives attributes.
Pre-existing expectations are the perfect starting point for strong cosmetic concepts.**

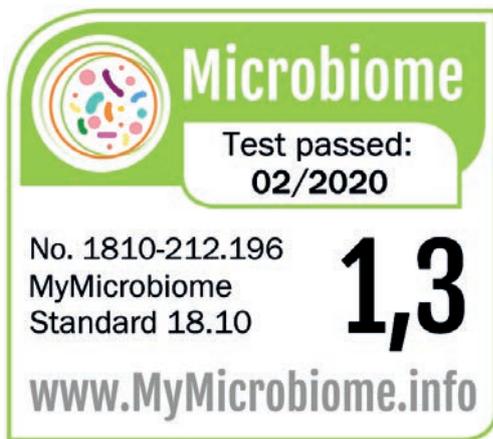
Certification | Yogurtolin® Receives Quality Seal ‘Microbiome Friendly’

The World’s First Product Test for the Skin Microbiome

Yogurtolin® was tested on a dry skin microbiome focusing on:

- Microbial balance
- Microbial diversity
- Microbial growth behavior

Yogurtolin® received an excellent rating of 1.3 = ‘Microbiome friendly’.



‘Microbiome Friendly’ Label for Consumer Orientation and Trust

The number of cosmetic products with microbiome claims is raising. But many products selectively focus on either microbial balance, or diversity, or growth behavior. Hence, uniform standards would be helpful. What’s more, consumers know about the importance of the skin microbiome but often lack the scientific knowledge to make purchasing decisions.

MyMicrobiome provides a new standardized testing procedure that covers all aspects of the microbiome, including microbial balance, diversity and growth behavior. The standard uses a simple and transparent rating that makes products comparable for consumers:

- 1 = ‘Microbiome friendly’,
- 2 = ‘Microbiome neutral’
- 3 = ‘Microbiome damaging’

MyMicrobiome is an independent expert organization dedicated to analyzing the microbiome using standardized methods. MyMicrobiome issues certificates that make microbiome-related claims transparent and comparable between products.

Yogurtolin® was certified as ‘Microbiome friendly’ for protecting the microbial balance and diversity of dry skin.

in vivo Activity | Yogurtolin® Reestablishes the Skin Microbiome

Objective

- To substantiate the consumer expectation 'prebiotic and microbiome friendly' (Fig. 6).
- To assess the effect of Yogurtolin® on the quantity and composition of microbes of dry and sensitive skin.

Technique

Facial skin microbiome samples were taken before, during and after treatment with Yogurtolin®. Total microbe number was determined using cell culture techniques. Microbe types were identified by MALDI-TOF-MS (Matrix Assisted Laser Desorption Ionization - Time of Flight - Mass Spectrometry).

Study Details

Design	<i>in vivo</i> study
Test Panel	15 volunteers with dry and sensitive skin, and low levels of microbes
Test Substances	<ul style="list-style-type: none"> • Pre-treatment using a formulation without Yogurtolin® (day 0-day 7) • Treatment using a formulation with 0.5 % Yogurtolin® (day 8-day 21)
Application Site	Face
Application Frequency	Twice daily
Primary Endpoints	<ul style="list-style-type: none"> • Total quantity of aerobic microbes on facial skin on days 0, 7, 14 and 21 • Types of different microbes on facial skin on days 7, 14 and 21
Secondary Endpoint	Ability of Yogurtolin® to reestablish a disturbed skin microbiome

Result

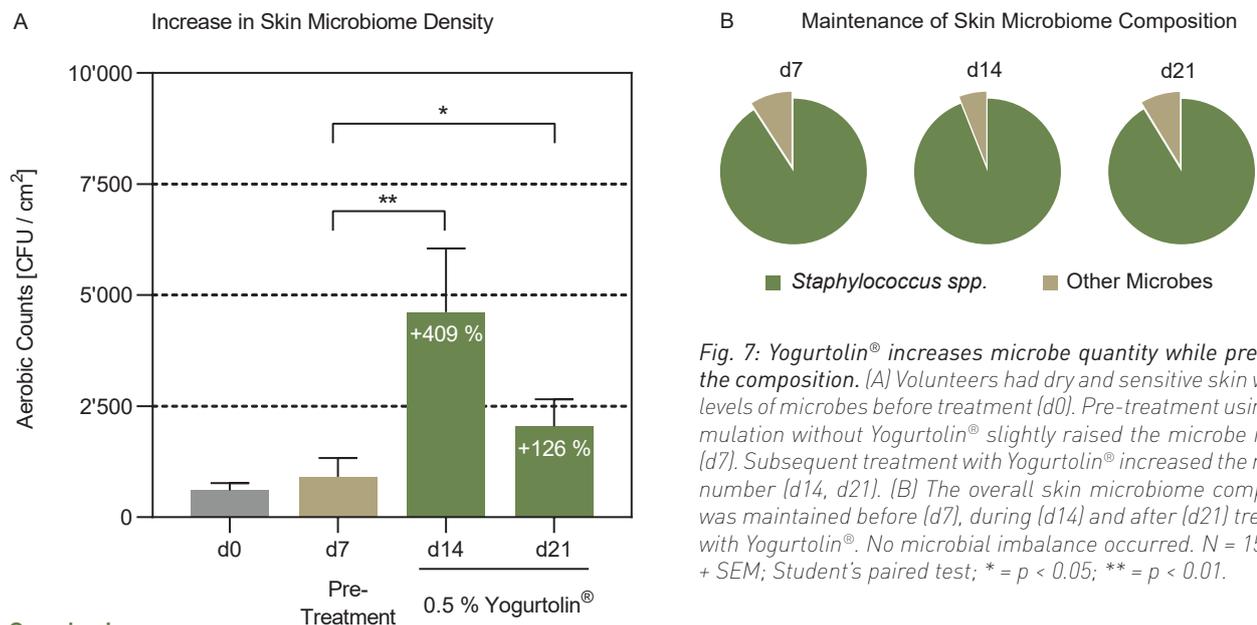


Fig. 7: Yogurtolin® increases microbe quantity while preserving the composition. (A) Volunteers had dry and sensitive skin with low levels of microbes before treatment (d0). Pre-treatment using a formulation without Yogurtolin® slightly raised the microbe number (d7). Subsequent treatment with Yogurtolin® increased the microbe number (d14, d21). (B) The overall skin microbiome composition was maintained before (d7), during (d14) and after (d21) treatment with Yogurtolin®. No microbial imbalance occurred. N = 15; Mean + SEM; Student's paired test; * = $p < 0.05$; ** = $p < 0.01$.

Conclusion

Yogurtolin® reestablishes and stabilizes a disturbed skin microbiome and thereby helps to strengthen the skin's microbial barrier. This will make skin more robust to external challenges and reduce symptoms of

sensitive skin. This finding supports the pre-existing consumer expectation of yogurt being a prebiotic, microbiome-strengthening ingredient.

Yogurtolin® restores the facial skin microbiome without changing its composition.
Yogurtolin® has a prebiotic functionality.

in vivo Activity | Yogurtolin® Improves the Skin's Barrier Function

Objective

- To substantiate the consumer expectation of 'calming and soothing' (Fig. 6).
- To show that Yogurtolin® stabilizes the skin barrier when treated with a challenging cream formulation.

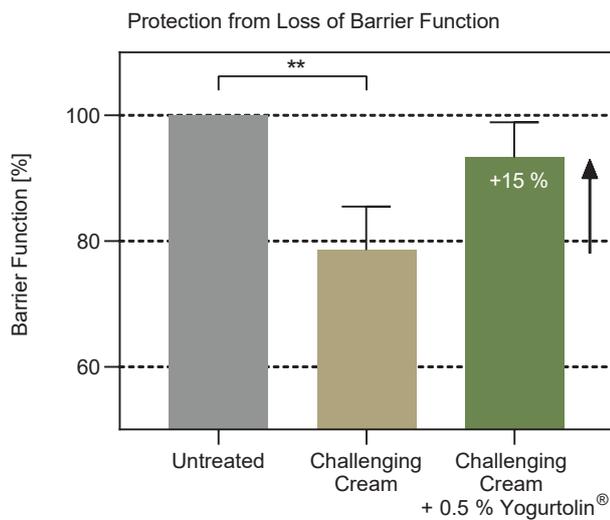
Technique

Volunteers applied a challenging cream formulation complemented with or without Yogurtolin®. Trans-epidermal water loss (TEWL) was monitored as a measure of skin barrier function.

Study Details

Design	Placebo-controlled <i>in vivo</i> study
Test Panel	2 groups of 15 female volunteers, Caucasian skin type, 25 – 55 years old
Test Substances	<ul style="list-style-type: none">• Challenging cream formulation without Yogurtolin® (placebo)• Challenging cream formulation complemented with 0.5 % Yogurtolin®
Application Site	Face
Application Frequency	Twice daily for 7 days
Primary Endpoint	Skin barrier function measured as trans-epidermal water loss (TEWL)

Result



*Fig. 8: Yogurtolin® makes formulations more gentle. A 7-day treatment with a challenging cream formulation disrupted skin barrier function by -21.4 %. In contrast, when using the same cream formulation complemented with 0.5 % Yogurtolin® the barrier function declined by only -6.7 %. Therefore, Yogurtolin® improved the skin's physical barrier by +15 %. N = 30; Mean + SEM; Student's unpaired test; ** = p < 0.01.*

Conclusion

Yogurtolin® prevented skin barrier damage in response to a challenging cream formulation. Hence, Yogurtolin® not only normalizes a disturbed skin microbiome, but it also strengthens the skin's physi-

cal barrier function. It is therefore especially suitable for sensitive skin characterized by dryness, discomfort and irritation just as consumers would expect.

Yogurtolin® prevents damage to the physical skin barrier and strengthens the barrier function.
Yogurtolin® makes formulations more gentle and mild.

Consumer Study | Yogurtolin® Calms Sensitive and Irritated Skin

Objective

- To substantiate the consumer expectation of ‘calming and soothing’ (Fig. 6).
- To show that Yogurtolin® calms and soothes sensitive skin, and reduces the redness and irritation level typical for sensitive skin.

Technique

Volunteers applied a cream with Yogurtolin® or a placebo cream for 7 days, twice a day. Volunteers rated skin parameters according to a questionnaire before and after application.

Study Details

Design	Placebo-controlled consumer study
Test Panel	2 groups of 15 volunteers, Caucasian skin type, sensitive skin, female, 25 – 55 years old
Test Substances	Cream gel formulation with 0.5 % Yogurtolin® and without (placebo)
Application Site	Face
Application Frequency	Twice daily (morning and evening) for 7 days
Endpoint	Self-evaluation questionnaire rating parameters related to sensitive skin

Result

Improved Sensitive Skin Parameters

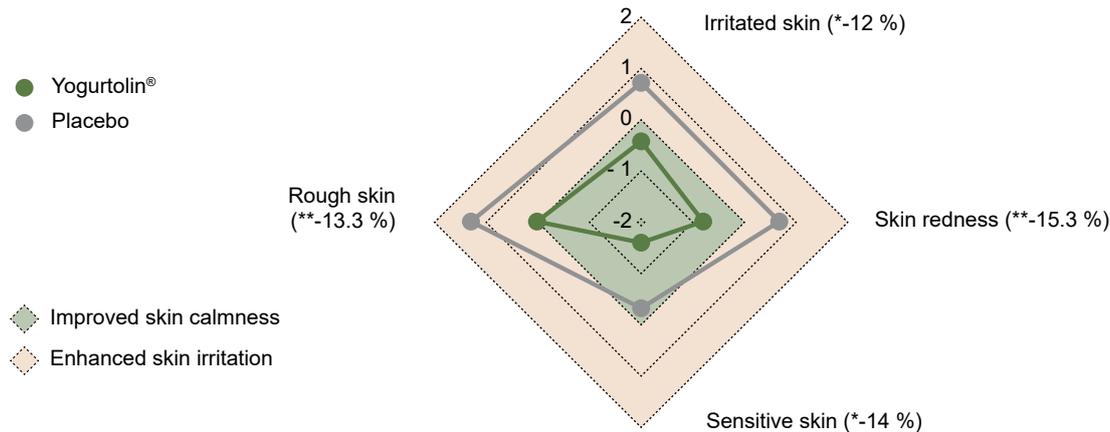


Fig. 9: Consumers experience a relief of sensitive skin with Yogurtolin®. Consumers applied a cream gel with 0.5 % Yogurtolin® or without (placebo) for 7 days. They were asked to rate sensitive skin parameters on a 10-degree-scale, before the first and after the last application (d7). The data points show changes in absolute numbers (changes > 0 indicate a worsening, whereas changes < 0 indicate an improvement of the condition). Percentual changes between placebo and yogurt cream at d7 are indicated in brackets. N = 30; Mean; Student's unpaired t-test between treatments at d7; * = p < 0.05; ** = p < 0.01.

Conclusion

Yogurtolin® perceptively improves parameters associated with irritated and sensitive skin, confirming preconceived consumer associations such as calming, soothing and being gentle for the skin. Hence,

Yogurtolin® is the perfect tool to develop skin care concepts for dry, irritated and sensitive skin.

Yogurtolin® provides a calming experience to consumers with sensitive skin.
Yogurtolin® improves parameters of sensitive and irritated skin.

Consumer Study | Yogurtolin® Provides an Instant Sensation of Refreshment

Objective

- To substantiate the consumer expectation of 'cooling and refreshing' (Fig. 6).
- To investigate the instant cooling effect on facial skin after the application of a cream gel with and without Yogurtolin®.
- To demonstrate the power of pre-existing consumer associations for cosmetic concepts.

Technique

- Instant skin cooling: a cream with or without 0.5 % Yogurtolin® was applied. Skin temperature was monitored with an infrared thermal camera for 10 minutes and captured in a video.
- Consumer experience: Subsequently, volunteers rated their skin refreshment. Creams were labelled with 'Yogurt Cream' or 'Test Cream'.

Study Details

Design	Placebo-controlled, randomized <i>in vivo</i> study and consumer test
Test Panel	2 groups of 15 volunteers, Caucasian skin type, sensitive skin, female, 25 – 55 years old
Test Substances	<ul style="list-style-type: none"> • Placebo cream gel formulation without active ingredient (labelled 'Test Cream') • Cream gel formulation with 0.5 % Yogurtolin® (labelled 'Yogurt Cream')
Application Site	Face
Application Frequency	Single application
Endpoints	<ul style="list-style-type: none"> • Immediate cooling effect measured as temperature distribution on facial skin • Self-evaluation questionnaire to evaluate refreshing effect experienced by consumers

Result

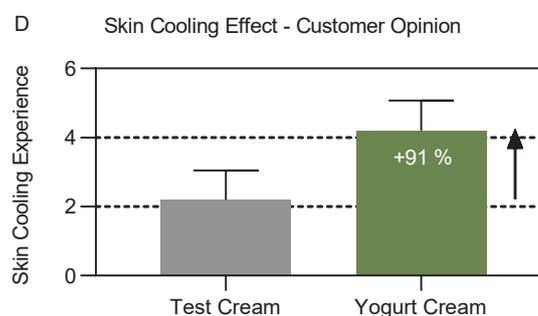
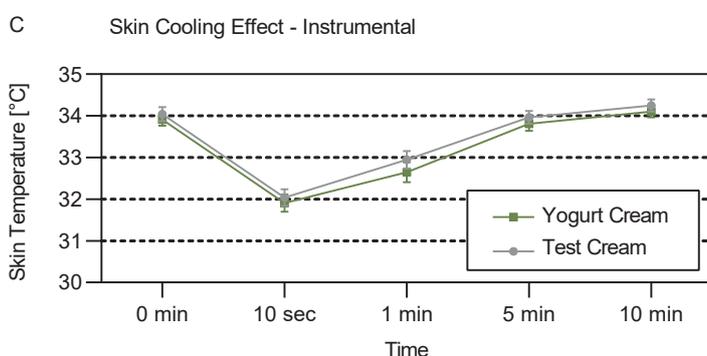
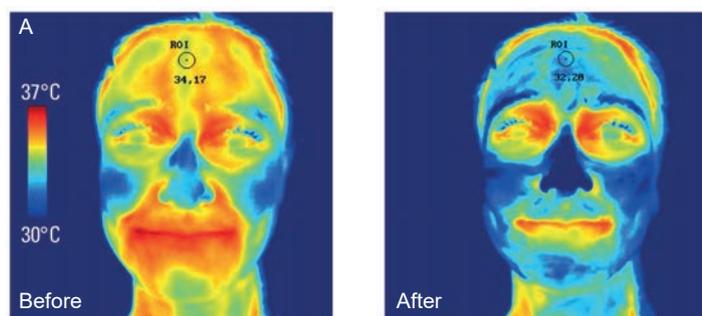


Fig. 10: Instant sensation of skin cooling with Yogurtolin®. (A) Representative infrared thermal images of the skin temperature before and after application of a cream with 0.5 % Yogurtolin®. (B) Open the video and experience how a yogurt cream can instantly refresh the skin. (C) Time course showing that skin temperature dropped immediately (10 sec) by 2 °C, and slowly recovered within 10 min when applying a cream with and without Yogurtolin®. N = 30; Mean + SEM; Students paired test; ** = p < 0.01, **** = p < 0.0001. (D) Consumers perceive more skin refreshment when a formulation is labelled with 'Yogurt'. Consumers rated their immediate skin cooling experience on a 10-degree-scale [0 = lowest effect; 10 = highest effect] after applying the 'Test Cream' or the 'Yogurt Cream'.

Consumer Study | Yogurtolin® Provides an Instant Sensation of Refreshment

Result

- Both, the cream gel with and without 0.5 % Yogurtolin® significantly reduced skin temperature immediately after application (Fig. 10 A-C). Skin temperature dropped rapidly (after 10 sec) by approximately 2 °C, and slowly recovered within 10 min. No significant difference between the Yogurtolin®-containing cream and the placebo was recorded.
- Nevertheless, consumers experience yogurt to be cooling and refreshing (Fig. 10D).

Conclusion

- Consumers feel what they expect to feel. They associate yogurt with cooling properties and in fact experience an instant sensation of skin refreshment. The actual skin temperature, however, is not significantly different between Yogurtolin® and the placebo. Nevertheless, due to the power of associations, Yogurtolin® can be perfectly used for cooling concepts.
- Overall, Yogurtolin® combines powerful efficacy data with pre-existing associations: it re-establishes the skin microbiome, strengthens the skin barrier and reduces symptoms of sensitive skin. In addition, Yogurtolin® adds an emotional component to cosmetic formulations based on positive consumer expectations.

Consumers experience an instant sensation of skin refreshment with Yogurtolin®.
Yogurtolin® is suitable for refreshing cosmetic concepts due to the power of consumer expectations.

Frame Formulation: Microbiome Balancing Face Mask with Yogurtolin® and Cranberry Pro

Phase	Ingredient	INCI	Function	Supplier	% w/w
A	Deionized water Glycerin 99.5% VIVAPUR® COS 8 Cosphaderm® Leo	Aqua (Water) Glycerin Microcrystalline Cellulose, Cellulose Gum Dipropylene Glycol, Ethylhexylglycerin, Caprylhydroxamic Acid	Humectant Thickener Preservative	J. Rettenmaier & Söhne Cosphattec	Ad 100 5.00 1.00 5.00
B	LIPOID P 75-3 TEGIN® Pellets MB Almond oil Argan oil Coconut oil, organic Beraclay 21764 Ultra White Clay Beraclay Dark Red Covi-ox® T-90 EU C	Hydrogenated Lecithin Glyceryl Stearate SE Prunus Amygdalus Dulcis (Sweet Almond) Oil Argania Spinosa Kernel Oil Cocos Nucifera (Coconut) Oil Kaolin Kaolin Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	Emulsifier Emulsifier Emollient Emollient Emollient Functional ingredient Functional ingredient Antioxidant	Lipoid Kosmetik Evonik Nutrition & Care All Organic Treasures BERACA Ingredientes Naturais BERACA Ingredientes Naturais BASF	0.50 4.50 3.00 1.00 1.00 9.64 0.36 0.10
C	Deionized water Yogurtolin® Cranberry Pro	Aqua (Water) Yogurt or Yogurt Powder Aqua (Water), Glycerin, Vaccinium Macrocarpon (Cranberry) Fruit Extract, Sodium Benzoate, Potassium Sorbate, Sodium Hydroxide	Active ingredient Substantiated extract	Lipoid Kosmetik Lipoid Kosmetik	10.00 2.00 0.50
D	Alcohol LE MILK 2700600	Alcohol Parfum (Fragrance), Coumarin	Solvent Fragrance	Essencia	3.00 0.25

Procedure

- Prepare phase A in the main vessel and heat it up to 75 - 80°C
- Prepare phase B and heat up to 75 - 80°C
- Add phase B to A and homogenize
- Cool to 40°C
- Premix phase C and add it to the batch while mixing
- Cool down to 30°C and add the alcohol/perfume-premix

Product Details of Yogurtolin®

Product Characteristics

- Yogurtolin® is a yogurt concentrate produced by spray-drying fermented Swiss milk. It is a fine powder free of additives or preservatives.
- COSMOS-approved raw material of 100 % natural origin
- Certified as microbiome-friendly
- Preservative-free
- Pale to dark yellow powder

Recommended Applications

- Sensitive skin face cream
- Calming hand cream
- Soothing body care
- Cooling after-sun care
- Instant skin refresher
- Prebiotic concepts
- Nourishing & regenerating night care

Recommended Usage

- Recommended use level: 0.1 – 2 %
- Final cosmetic products with Yogurtolin® can be claimed as e.g. 'Contains Swiss-manufactured ingredient'.

Formulation Recommendations

- Yogurtolin® is suitable for o/w, w/o emulsions and water-based products. When formulating emulsions, Yogurtolin® should be premixed with water for a better dispersion in the base. Yogurtolin® is easily soluble in ionic/non-ionic/amphoteric surfactant mixtures, and is compatible with electrolytes, cationic polymers and most plant extracts.
- At pH 3 – 9, water-based products without thickeners/stabilizers tend to turn hazy when Yogurtolin® is incorporated, and sedimentation might occur. If gelling agents are used, a careful selection in view of electrolyte tolerance must be made since not all are compatible with Yogurtolin®.
- High pH-levels ≥ 9 should be avoided as changes in color and odor may occur.
- For detailed information, please ask for our report 'Stability and formulation recommendations' (info@lipoid-kosmetik.com).

Safety

- Non-phototoxic (OECD 432)
- Non-irritating for skin (HRIPT, repeated human patch test) when tested at a concentration of 10 % on 51 volunteers.
- Non-sensitizing for skin (HRIPT, repeated human patch test) when tested at a concentration of 10 % on 51 volunteers.
- No allergens (as per current EU Cosmetic Regulation)
- Not irritating for the eyes (BCOP) when tested at a concentration of 10 %.

References

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Regulatory *(Further regulatory documents upon request)*

Origin	Switzerland
INCI	Yogurt Powder or Yogurt
EU Cosmetic Regulation	The product complies to the EU Cosmetic Regulation (EC) No 1223/2009.
China INCI	The INCI is listed in the current Inventory of Existing Cosmetic Ingredient China (IECIC).
EU REACH	Yogurt powder was successfully registered under EU REACH as a UVCB ¹ substance by Lipoid Kosmetik. Its REACH registration number is 01-2120772078-48-0000.
China REACH	The ingredient yogurt is not listed in the current Inventory of Existing Chemical Substances China (IECSC).
Allergen	No allergens (as per current EU Cosmetic Regulation: <10 ppm for leave-on / <100 ppm for rinse off).
CMR	The product does not contain substances classified as CMR under the Regulation (EC) No 1272/2008 (CLP).
ABS	The material fully complies with the requirements of Access and Benefit Sharing (ABS) as derived from the Nagoya Protocol.
ISO 16128	Yogurtolin® is purely natural. It has a Natural Origin Index (I _{no}) ² of 1.
COSMOS	Yogurtolin® is COSMOS-approved and of 100 % natural origin.  COSMOS APPROVED Raw material verified by ECOCERT GREENLIFE, conforms to the COSMOS Standard.
Halal	The product conforms to HALAL requirements.
Vegan	The product is not suitable for vegan formulations.
Non-GMO	The product is non-GMO. It meets the non-GMO standards set by Regulation (EC) No 1829/2003 and EC (No) 1830/2003.
Palm oil	The product does not contain palm (kernel) oil or its derivatives.

¹ UVCB = Substance of Unknown and Variable Composition

² The calculation is based on the Standard ISO 16128, which provides guidelines on definitions and criteria for natural and organic cosmetic ingredients and products.

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