

zoom #7

BY SKINOBS

édito



Discover "Boost Your Test", a unique and new highlight of the in-cosmetics testing zone in Amsterdam. It means that we will have three days to talk with you about devices, analytical, in-vitro and human testing. We will be able to answer specifically your questions about Microbiote, Anti-pollution and Anti-ageing and give you new ideas for your future claim substantiation strategy. Then we will attend ISBS conferences in San Diego in May. Please find in this newsletter the latest news of our partners' instrumentation and testing labs: Cerco, Complife, Cosmepar, DermScan, DNAgensee, Eotech, Eurofins, I.E.C, Intertek, Microfactory, Phylogene and Scientist.com and the Boost Your Test partners: **CIDP, STRATICELL, PhDTrials and WWI among others.**

Happy reading!
Anne Charpentier, CEO

Find worldwide the best methods and the testing labs to support your product claims.

What's inside ?

Connected cosmeticians can easily retrieve the solutions to their testing needs. We are always under progress referencing the latest methods, devices or testing labs all over the world and keeping close collaborative exchanges with the stakeholders of this sector.

How to accelerate your search results:

- Directly send a request to the testing lab of your choice
- Select the type of subjects: Caucasians, Asians or Africans
- Search via specific filters: technological and novelty degrees and result type

We provide you a robust tool helping cosmeticians to pertinent and innovative **bridge between science and marketing**. Let ask specific requests and give us your feedback at contact@skinobs.com

How does the database accelerate your skin evaluation ?

For complexion radiance effects, you find:

+ 17 methods

+ 40 testing labs

+27 countries



Discover
200 tests
60 claims
30 countries

Statistics of Skinobs traffic

+1,700
CONNECTED
COSMETICIANS

+32%
NEW USERS*

+64%
SESSION*

+2,400
PAGES VIEWED*

*in January 2018

*compared to
Decembre 2017

*in January 2018

CONNECT
WWW.SKINOBS.COM

BOOST YOUR TEST

DISCOVER THE LATEST INNOVATION

in-cosmetics Amsterdam

Anti-pollution and ex-vivo objectivation by CIDP



In response to manufacturers' needs for anti-pollution claims substantiation, CIDP has developed ex vivo protocols that objectively evaluate effect of pollutants (**ozone, cigarette smoke, ambient dust**) and light (**UV, blue light, IR**) on the skin. Our anti-pollution study

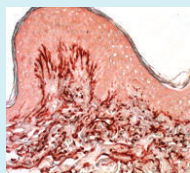
protocols calls for specific biomarkers to be identified and monitored, to show their evolution when samples are exposed to pollutants, light or both.

The ex vivo model is an **efficient testing model** that serves as a good intermediate between the in vitro and the in vivo methods. This model helps manufacturers demonstrate the effects that their cosmetics products have against pollution.

www.cidp-cro.com

Booth H150

Anti-ageing in vitro evaluation methods by StratiCELL



The quest for effective anti-ageing products represents a driving force of the cosmetic and relies on the availability of in vitro assays to prove efficacy and mechanistic relevance. StratiCELL proposes an extensive panel of assays dedicated to study the efficacy and the **mechanisms of**

action of cosmetic ingredients and formulations with anti-aging properties, including the **extracellular matrix remodeling, age-related pigmentation disorders, endogenous systems of repair**, disposal and recycling of biological components (autophagy, DNA damage, oxidation, advanced glycation end products, protein unfolding, proteasome), stress induced or replicative senescence, etc. StratiCELL helps you in revealing the full potential of your dermo-cosmetic compounds.

www.straticell.com

Booth J100

DNA Gensee: plant/algae authentication and DNA traceability in cosmetics



Winner of the Cosmetic Victories in 2015 and of the IFSCC's Henry Maso award in 2018, DNA Gensee is a biotechnological company working on plants and algae DNA. **With 6 years of expertise in DNA** extraction from raw materials, ingredients and cosmetic products, this french lab offers the possibility to **authenticate the plant species** and to trace them during the processes. DNA Gensee works with cosmetics brands such as Clarins and with ingredients suppliers such as Codif Technologie Naturelle.

Genetic analyses allow to guarantee the botanical and geographical origin of raw materials and extracts to ensure **traceability, security, quality and naturality**.

www.dnagensee.com

Booth L105

New to 2018 is the Boost your Test initiative; an interactive area dedicated to the subject of cosmetic testing, which is brought to you in partnership with Skinobs.

What will be covered in Boost your Test?

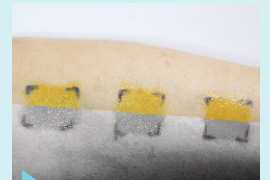
The feature will spotlight three different methods of cosmetic testing; **human testing, in-vitro testing, as well as testing through high tech devices**, all within the categories of **anti-pollution, microbiome, and anti-ageing**.

Visitors can explore the feature and discover through information posters and digital presentations how each of these innovative methods ensure the **efficacy proof and the performance evidence** of personal care products.

PhDTrials supports anti-ageing claims: human anti-oxidant methods

UV radiation is one of the major factors that induce photo damage in the skin due to the production of reactive oxygen species [ROS]. PhD Trials® researchers, developed a **model that use β -carotene**, a Yellow chromophore that when oxidized by UV radiation loses its color. The discoloration can then be monitored by colorimetry (b* parameter). This technique allows to measure **oxidative stress** on skin, on an in vivo way, and therefore it can be useful to assess of skin ageing properties, particularly the **effectiveness against photoaging effects**.

www.phdtrials.com



Subject's forearm showing color differences before and after treatment.

Booth H138

WWI, WorldWide Innotest: To secure your clinical trials over the world

ORION CONCEPT, BIOMETRIX & DERMATEC bring together their expertise in clinical testing and innovative assessment techniques to create **WWI (WorldWide Innotest)**. With **DERMATEC mobile technical staff** specially trained, **BIOMETRIX subsidiaries over the world** and **ORION-CONCEPT R&D of innovative methods**, WWI secures your clinical trials over the world. **Reactivity, scientific expertise and respect of regulatory dispositions of each country** are combined to advise you and conduct with you **large-scale clinical trials**.

www.worldwideinnotest.com



Booth K80

Using Scientist.com, researchers access to the most innovative technologies



Founded in 2007, Scientist.com is the world's most experienced marketplace for **outsourced scientific services and products**. The marketplace simplifies research sourcing and testing across multiple industries, including cosmetics. Researchers gain easy access to the most innovative tools and technologies - while maintaining **full compliance with an organization's procurement policies**. Scientist.com operates enterprise marketplaces for most of the world's major pharmaceutical companies, biotechs, chemical research organizations, as well as academic researchers and citizen scientists. With over **3,700 research areas**, including in vivo/ in vitro testing, and access to 2,400+ registered suppliers, Scientist.com is sure to meet your research needs.

www.scientist.com

SKIN, HAIR, SCALP AND LIPIDS



25 METHODS



46 TESTING LABS
IN 27 COUNTRIES



MORE THAN 15
DEVICES MANUFACTURERS

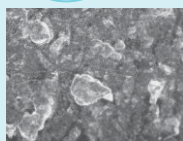
The lipid family of the skin is large with **glycolipids, phospholipids, sphingolipids, ceramides, triglycerides, cholesterol, fatty acids...** and assures via various mechanisms and structures, the good health of the skin from the upper layers of the Stratum Corneum (hydrolipidic film) layers to the intercellular spaces of the epidermis. Depending on the skin or hair type (greasy skin, prone to acne...), the age, the sex, the zone of the body, the ethnic origin and the environment, the claims about "lipids" are numerous to substantiate: **regulate the sebum, re-lipidation, insure the barrier function, non-occlusive, mattifying...** The creams, the shower gels, the shampoos or the make-up need to protect or to normalise this essential component.

Skinobs platform lists more than 25 methods - qualitative aspect (composition, structure, rigidity...) and quantity (number, ratio...)- in addition to other methods which are consumers testing, clinical scorages and sensory analysis. Depending on the probe uses, these methods can be implemented on the skin, the scalp or the hair:

- **Sebum content:** QuantiSeb, DermaLab Sebum, Sebumeter, SebumScale
- **Sebum analysis:** Shotgun mass spectrometry, Metabolomic MS/MS-16srDNA-PCR (Phylogene), Raman microscopy...
- **Barrier function via TEWL measures:** Aquaflux, Dermalab TEWL, Evapometer, Vapometer, Tewameter
- **Skin gloss:** Goniolux®, ColorFace, GlossyMeter, SkinGlossMeter, Diffuse Reflectance Spectrometry, Observ520®, Hair tune, Tribology...
- **Hair shine:** Goniolux®, GlossyMeter, SkinGlossMeter, Samba Hair, Salsa...
- **The skin/Hair surface:** pores size, comedolytic aspect, dark spots... with all types of dermoscopes
- **Skin structure:** Confocal microscopy, Scanning electron microscopy, Optical multiphoton tomography, Atomic Force Microscopy

Lipids of the skin are also related to the hydration, skin barrier function and microbiome. On the hair, sebum can be associated with dandruff phenomena. Since few years, the lipid balance is impacted by the environment (sun, pollution, water quality) and the lifestyle. The challenge of the personal care remains the capacity to maintain this **physiological balance while protecting the skin.**

Surface and In-depth Lipids by the Cerco



Cutaneous Lipids contribute to the main role of the skin: **its barrier function.** Their presence in sufficient quantity limits the drying of the skin and preserves the Hydrolipidic balance. They have an undeniable impact on **skin ageing but also on comfort.** Cosmetics come to preserve, **strengthen the lipidic film** but also to compensate for the shortcomings. Direct measurements such as Sebumetry, Sebutape, Raman measurement, and epidermal lipid assays enable the lipid quantification. Other techniques allow to evaluate the appearance or properties of a skin, deficient in lipids and then once rebalanced: Tewl, hydration rate, desquamation, surface tension (wettability), clinical scoring and scales Self-assessment.

www.cercotests.com

More Control for Better Objectivity With the New Version AEVA-V3 by Eotech



The latest AEVA-V3 version that equips all 3D measurement solutions, offers **intelligent measurement control** during the acquisition phase. An analysis of the contrast and stability of the measurements generates a quality value which according to the tolerance threshold chooses, will alert the user and recommend him to redo the measurement. This analysis helps to **guarantee the quality of the measurement** in relation to the environment and to the shake. The software also offers a **real-time comparison and visualisation of shape and volume** changes at the following times to control the expression or position effects that might affect the product.

www.eotech.fr

Booth L91

Eurofins: Always on the safe side - Focus on skin protection



Eurofins clinical laboratories test for several years, the benefits of cosmetic care products on the protective functions of the skin upper layers and surface hydrolipidic film, but also the absence of **harmful effects of detergents** on these same functions. Instrumental methodologies are implemented to specifically measure the **preventive or restorative benefits** of care products against solar radiation, erosion of the Stratum Corneum, exposure to the cold, to surfactants and to pollution particulate matters..., but also the mild cleanser effects, respecting the hydrolipidic film. Each test may involve a **set of adapted measurement** (pH, TEWL, temperature, kinetics of sebum secretion, microbiome analysis, surface or in-depth moisturisation, pollution particulates deposit etc...).

www.eurofins.com/cosmetics

Booth J159

New partners key figures

3

Centers by WWI

5

DermScan's testing center in the world

10

Labs in the world by Complife Group

25th

Eotech anniversary

900

swabbings for microbiote studies in 2017
in Eurofins French Clinical Laboratories

1977

Cerco was founded

2,200

analysis implemented by Cosmepar
in 2016

8,000

volunteers included by Intertek

25,000

volunteers in the world by DermScan

Agenda

2-4
MAY.

ISBS Congress
San Diego

18-21
SEPT.

30th IFSCC Congress
Münich

News

Read the latest news on cosmetics testing. Subscribe to the online Newsletter :
www.skinobs.com/news

Microfactory unveils a new antiperspirant efficacy testing



Microfactory industrialises a new patent-protected microfluidic instrument called SOD4, and a new method of antiperspirant efficacy evaluation. The product will disrupt an existing market and create a new market (R&D and test of raw ingredients) displacing Gold Standard technology: **Gravimetry**. The **innovative polymer technology** is a microfluidic instrument mimicking in vivo the action of the antiperspirants underneath the skin. **It is an advanced process based on advanced microfluidic materials**. Microfactory **ambition** is to become a European and world wide gold standard, FDA approved, for mandatory efficacy evaluation of anti-perspirants and a wholerange of cosmetic products.

www.microfactory.eu

Cutaneous tape stripping: An innovative tool for efficacy assessment by Complife



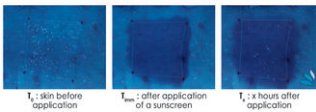
Skin biopsies and tape stripping are the two techniques used in **skin barrier research**. However, in comparison with skin biopsies, tape stripping has great advantages in being **cheap, easy, quick, painless and leaves no scar**. All these characteristics makes tape stripping the ideal candidate as a useful tool in the cosmetic research field. In Complife's laboratories, after investigating the skin barrier properties, they investigated the opportunity to integrate the clinical experience with the in vitro laboratory expertise. And that's how the history of tape stripping evolved to biochemical investigation of selected skin parameters.

www.complifegroup.com

Booth L125

DermScan tracks the remanence of sunscreen products

EVOLUTION OF THE FLUORESCENCE OF PORPHYRINS OVER TIME



Sunscreen products play a major role in protecting the skin against damages related to UV exposure. To maintain the maximum level of protection, it is recommended to renew applications every two hours. To determine the remanence of this type of products over time, to compare the substantivity of different formulations, DermScan offers a **simple and fast approach**. Acquisitions made with **UV light using VISIA®**

reveal the fluorescence of porphyrins on the skin. This fluorescence disappears immediately after application of a sunscreen and reappears gradually following the elimination of the product.

www.dermscan.com

Booth J80

Intertek evaluates the products impact on the cutaneous microbiota

The **cutaneous microbiota** plays an essential role in skin health.

Consequently, it becomes necessary to address the evaluation of cosmetic impact and medical device on skin microbiota: either to avoid any skin microbiota imbalance or, on the contrary, to re-establish the balance if any dysbiosis (atopy, dandruff, acne...). Intertek conducts clinical studies on healthy volunteers or on volunteers suffering from a cutaneous pathology in order to analyze this impact.

Intertek offers 3 levels of investigation from sample panels:

- Quantitative PCR
- Metagenomics
- Metaproteomic



Intertek's expertise for Microbiota is a suitable recruitment of volunteers, samples management expertise: sampling and transport, analysis and results interpretation by skin microbiome experts team.

www.intertek-france.com/etudes-cliniques.

Cosmepar Group celebrates its 40th Anniversary



By opening an **additional testing Unit Clinical** in the heart of Nantes in **March**, COSMEPAR expands its possibilities for the

reception and recruitment of volunteers, the current number of nearly 6 000. The group is focusing on the effect of synergy of its **three laboratories** for deploy a unique expertise. The tests on the **Skin Microbiome** or the **Microbiological Use Test (MUT)** developed over the past three years, illustrate this winning strategy with an increase in the **"Clinical" turnover of almost + 70%**. To accompany this development, the company will therefore double the area dedicated to testing in vivo on humans. www.cosmepar.fr

Phylogene analyses the skin interactions of microbiome



Starting from clinical samples such as swabs, Phylogene offers three types of services:

- **Quantitative PCRs of major species or genus**, depending on wished effects from product positioning. Gives answers as « **The product has/does not have an effect on tested genus/species** ».

- **Metagenomics** comparative study of skin microbiome by NGSequencing 16S rDNA. Gives answers in a report as: « **The product/treatment does or does not impact the semi-quantitative composition and microbiome diversity** ».

- **Metaproteomics** comparative study of skin and microbiome by relative quantification LC-MS/MS « **shotgun proteomics** » and bioinformatics/biostatistics dedicated data processing. Gives answers in a report as: « **Effects of the product on functions and interactions of skin and microbiome simultaneously** ».

www.phylogene.com

I.E.C Demonstrates Sebum Regulation via Multi-ethnic Studies



I.E.C. offers **multi-ethnic clinical studies (Caucasian, Asian, African)** to enhance the effect of cosmetic products and / or the environment on skin lipids by **quantitative and qualitative sebum assay** (fatty acids, squalene, glycerides), direct measurements of sebum (Sebumeter, Sebustape) or indirect by evaluation of gloss (Glossometer, Goniolux, photographic analysis).

www.iecfrance.com

Skinobs map:
a worldwide view
of your testing
partners



They have placed their trust in us

Basf - Bayer - Berkem - Botanicem - Capsum - Chemunion - Clariant - CLR - Codif - Cosmo - ingredients - Covestro - DSM - Expanscience Exsymol - Gattefosse - Givaudan - ID bio - IFF - Impag - Lipotec - Lucas Meyer - Merck - Mibelle - Naturex - Nikko Chemicals - Nikkol Ocealy Provitall Rahn - Robertet - Rossow - Sanofi - Seppic - Silab - Sollicebiotech - Thor - Unipex - Weckerle Aesop - Ales - Alpol - Amore Pacific - Aseptia - Avon - Biersdorf - Bioderma Boots - Chanel - Clarins - Coty - Esthederm - Eugene Perma Expanscience Galderma - Hermes Parfums - Hormeta - Ingrid Millet - Johnson & Johnson - KDC - Kiko - Laboratoires de Biarritz - Laboratoires Léa Le Petit Olivier Léa Nature - L'Occitane - L'Oréal - LVMH - Make Up For Ever - Maqpro - Marionnaud - Mavala - McPherson's - MNK Multaler - Natura Nuxe-Oriflame Phillips - Pierre Fabre - Procter & Gamble - Rivadis - Sanofi - Shiseido - Sisley - SVR - Thalgo - Yves Rocher - Yves Saint Laurent

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