

# zoom

BY SKINOBS #9



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The necessity to substantiate the claims drives clearly the innovation of the technology to study the skin and the hair in many directions. To increase its knowledge of testing, Skinobs will follow the next **IFSCC congress** in Munich with the motto "Science for Beauty and Lifestyle". In this Newsletter we will focus on the **tolerance evaluation and the "Shape and Volume" objectivation**. Then we will present you the latest innovations of our partners: Bio-EC, Cerco, Cosmepar, DermScan, Eotech, Eurofins, Genel, I.E.C, Intertek, Microfactory, Phylogene, Spincontrol, StratiCell.

Happy reading!  
Anne Charpentier, CEO

## Easily retrieve your clinical testing partners

Four years ago, we found that information about skin studies and testing for cosmetics evaluation was poorly accessible. In 2016 we launched the platform referencing methods, devices and testing laboratories all over the world. Now we have integrated the large range of clinical testing in 5 sections: Tolerance assessment, Consumer tests, Efficacy on skin, Testing on fibres and Sensory analysis.

Our approach has been always collaborative, integrating information from all stakeholders to build a useful and easy-to-use tool for all cosmeticians.

The free login to the Skinobs database, in 2 clicks, enables you to:

- identify for a specific claim all existing methods and relevant testing laboratories,
- directly send a mail to these providers,
- retrieve on a world map: devices manufacturers and CRO's,
- use a global company's directory,
- find visual and technological device descriptions.

Skinobs provides a robust tool helping cosmeticians to build a relevant and innovative **bridge between science and marketing**. Let ask specific requests and give us your feedback at [contact@skinobs.com](mailto:contact@skinobs.com)

## How does the database accelerate your haircare evaluation ?

For testing the efficacy of haircare on hair, fibres or scalp, you find in the results search:

+ 30 Methods

+ 30 CRO's

+10 Devices Manufacturers



Discover  
200 tests  
60 claims  
30 countries

### Statistics of Skinobs traffic

**+2000**  
CONNECTED  
COSMETICIANS

**+30%**  
NEW USERS\*

**+23%**  
SESSION\*

**+2000**  
PAGES VIEWED\*

\*compared to  
May-June-July 2017

\*compared to  
May-June-July 2017

\*per month in 2018

CONNECT FOR FREE  
[WWW.SKINOBS.COM](http://WWW.SKINOBS.COM)

## Tolerance by Skinobs



15 METHODS



60 LABS



IN 30 COUNTRIES

## A WORD OF EXPERT



Christine Braud, Pharm.D, MBA  
European Sales Director  
Complife Group

All cosmetics on the market shall be safe for human health [Art. 3 – Reg. (EC) 1223/2009]. To ensure such safety, it is crucial to test the tolerance of finished products to determine whether they are not likely to induce skin irritation. Clinical testing such as the patch test for the acute tolerance and the in-use test for the tolerance in normal conditions of use under dermatological supervision take into account **reactions such as stinging, burning and itching and define the skin compatibility**. If the results of these clinical studies performed according to the best practices lead to a well-tolerated product, **claims such as “clinically/dermatologically and/or tolerance tested”** could be allocated to it.

# TOLERANCE

After the first validations of the product toxicology, preservation [challenge test], stability and innocuity (in-vitro test), comes the necessity to ensure the **consumers safety**. The tolerance assessments implemented on human subjects (age and ethnical) highlight the absence of **irritant or sensitization potential** on normal or reasonably foreseeable conditions of use.

The safety assessment is conducted by experts [doctor, toxicologist or equivalent qualified person authorised by the regulation]. Depending on the country regulation and on the clinical study design (babies, repeated applications, sun exposure...), the protocols can be submitted to the ethics committee.

There are 4 categories of tests.

### 1. Assessment of the irritation potential by Patch Test

The patch test allows the study of skin tolerance by simple contact. It consists in a single application of the product, normally for 24 or 48 hours on volunteers under occlusive or semi-occlusive patch on the arm or the back. Then the outbreak of any skin reactions at patch removal [under medical or dermatological supervision].



© Dermscan

### 2. Use or consumer test under medical control [dermatologists, ophthalmologists, gynaecologist or ophthalmologist, paediatricians]

- Use test with repeated applications under the normal conditions of use
- Repeat Open Application Test (ROAT)
- No comedogenicity
- Ocular projection

### 3. Assessment of the allergenic potential

The sensitizing potential includes an induction phase, a resting phase and a triggering phase

- TCFS, Final clinical safety test
- Human Repeat Insult Patch Test [Marzulli & Maibach]

### 4. Phototolerance: toxicity and sensitization

It consists in treating cells in vitro and to compare the responses obtained after being exposed to UVA or not.

The conclusion regarding the product safety represents the **final analyses of the data and the results** of the cosmetics tests under several criteria: exposure, conditions of use, risks of misuse validated by a medical assessment.

## Tolerance studies: diversity of the panels offered by Dermscan

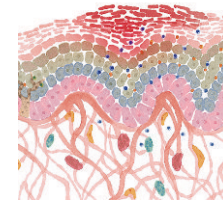


Thanks to its double activity of CRC/CRO, Dermscan can answer to all requests on use tests to collect the **physical and functional signs** related to the use of your product:

- **Clinical Research Centre:** their laboratories (France, Poland, Tunisia, Thailand, Mauritius) select healthy subjects of any age (from 1 month) and all phototypes but also atopic, asymptomatic subjects or patients, targets of your product.
- **Contract Research Organization:** their centers have networks of town physician offices and collaborate with hospital services when it is necessary to recruit specific patients.

[www.dermscan.com](http://www.dermscan.com)

## In vitro human epidermis and assays adapted to study sensitive skin and resilience of the barrier function



A significant part of the population is prone to **sensitive skin and atopy problems**, involving barrier defects and inflammatory hyper-reactivity. The balance of

the immune system can be disrupted and present distinctive inflammatory patterns. StratiCELL has developed **several models** of reconstituted human epidermis with these characteristic profiles to study the effectiveness of cosmetic products to improve the **resilience of the barrier function of sensitive skin**. Each model is validated by positive references that prevent the appearance of the **associated biomarkers**.

[www.straticell.com](http://www.straticell.com)

## RedOxMics™, a large view on skin oxidation effects or protection by Phylogene



Pollution, solar radiation, screen light and cigarette smoke generate free radicals in the skin which can be destructive with varying degrees of severity. Most investigations are based on known biomarkers, but it does not give a complete view of the effects. With RedOxMics™, you can characterize and understand the **effects of abiotic stress**. Based on skin D-Squame or swabs sampling, the relative comparison of proteomes between Tested and Control provides a fold change between **impacted proteins and oxidized sites**. Then bioinformatics describes the “free of hypothesis” induced effects with CORAVALID workflow. An **OxDeep ratio** provides the deepness of oxidation on all proteins.

<http://ms.phylogene.com/Local/msphylogene/files/97/RedOxMics.Oxidation.ratios.220418.pdf>  
<http://ms.phylogene.com>

# SHAPE & VOLUME FOR FACE + BODY

Since the beginning of the cosmetics, face remodelling and slimming claims remain on the top of the list. They attract the use of new 3D science applications particularly for the data acquisition and treatment. The Shape & Volume efficacy of creams, serums, masks, medical devices or institute treatments is generally evaluated in the centimetres level and on the global cutaneous structure.

On this topic, skin cares **reduce under eye bags, droopy eyelids, optimise the oval contour, remodel, re-pulp or uplift the face**. The body care activities are mainly focusing on the **orange peel, thigh sizes, stretch marks, breast volume or stomach contour**.

## How this parameter of body and face can be now objectivated?

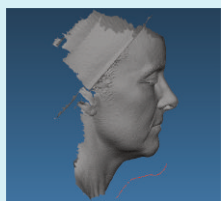
In addition to other methods such as consumer testing, clinician scorages and sensory analysis, Skinobs platform lists more than 12 methods and devices that meet the objectivation of Shape & Volume changes:

	The face and small area	The body
<b>Photo acquisition and image analysis</b>	<ul style="list-style-type: none"> <li>- Antera 3D (Miravex),</li> <li>- Clarity 3D (BTBP)</li> <li>- ColorFace (Newton Technologies),</li> <li>- FaceScan 3D (Canfield),</li> <li>- Observ 320 (Innofaith),</li> <li>- Vectra XT (Canfield),</li> <li>- VisioFace (C+K),</li> </ul>	<ul style="list-style-type: none"> <li>- BodyScan 3D (Canfield),</li> </ul>
<b>Fringe projection for 3D topography analysis</b>	<ul style="list-style-type: none"> <li>- AEVA-HE 125, 160, 250</li> <li>- Dermatop (Breuckmann-Eotech)</li> </ul>	<ul style="list-style-type: none"> <li>- AEVA-HE 450 (Breuckmann-Eotech)</li> </ul>

Whether for small or big areas, these techniques always look for **perfect data acquisition with the best repositioning, the no-contact option, the higher resolution, the quicker capture time, and the automatic rotation system**.

These high-tech biometrological measurements give the opportunity to connect the technology with the new digital use of personalisation from the shop to the bathroom. This connection between objectivation and the digital way of choosing and buying may bring the cosmeticians closer to the reality of marketing.

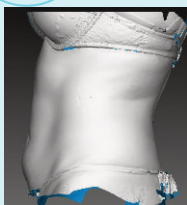
## Volume and shape measurements by the Cerco



Thanks to the technology of **the fringe projection** and a bench of in-vivo measures, the evaluation of volumes and shapes is accessible with great precision both on the face and on the body. These 3D measurements enable the efficacy objectivation of the cosmetics or institute cares on the shapes and volumes of cosmetics or an institute care. The **image overlay before/after treatment** allows to better visualise the effects.

[www.cercotest.com](http://www.cercotest.com)

## 3D approach of body shape by Spincontrol



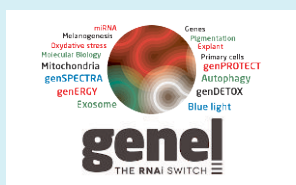
Perception of body shape & volume is an increasing concern in modern countries as well as a recurrent claim in cosmetic industries. Cosmetics offer several solutions with slimming, tensing, firming products to further improve body image. Thus, Spincontrol offers **a wide range of methods to evaluate these claims**. The most useful is 3D approach. In particular, thanks to the AEVA-HE (Breuckmann, Germany) which offers the possibility to measure the **volume of different parts of the body** (thighs, belly, buttocks) with a high resolution. Thus, Spincontrol is able to evaluate accurately, the effect of cosmetic products on the body shape.

[www.spincontrol.fr](http://www.spincontrol.fr)

## Enhance your Research with Genel

GENEL offers dermo-cosmetic companies with expert multi-disciplinary services to unleash the true potential of active ingredients. We constantly innovate to reveal the roles of cosmetic ingredients across **various pathways of Skin Biology**. With an objective to reduce the time-to-market, we support you in identifying the right commercial strategy for the successful launch of your product. **Leverage on our extensive expertise** in Cosmetogenomics to stay one step ahead of the competition! **Visit our posters 'P-S4-153: The Double Nature of Blue Light on Skin Dependent Pathways'** and **'P-S4-154: A Promising Combined Approach for Assessing Mitochondrial Turnover under Oxidative Stress'** to discuss more.

[genel.fr](http://genel.fr)



## Partners key figures

1

new lab center for clinical testing by Cosmepar

3

continents for cosmetics testing by IEC

4

EvaSkin special offer sold by Eotech

4

clinical laboratories for sun care testing by Eurofins

40

years of cosmetics evaluation by Cerco

600m<sup>2</sup>

of testing lab in the heart of Paris by Intertek

1890

products evaluated with patch-test protocols by DermScan

## Agenda

- 18-21 SEPT.** 30<sup>th</sup> IFSCC Congress Munich
- 27 NOV.** SFI2C Day Cosmétique Connectée Paris
- 4-5 DEC.** 9th JP Marty Days Paris
- 31-1 JAN.FEB.** XXIXèmes JED intercellular dialogue in the skin tissue Lyon
- 6-7 FEB.** 3rd CO.ME.T Congress Cergy

## Newsfeed

Read the latest news on cosmetics testing. Subscribe to the online Newsletter : [www.skinobs.com/news](http://www.skinobs.com/news)

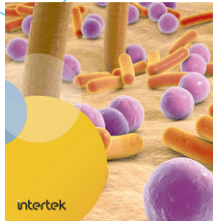
## Smart-Pore™: the first biomimetic pore designed for cosmetic measures



Fully transparent, **Smart-Pore™** enables you to visualize in real time the effect of your product on **sweat** or **sebum** from the pores of the skin. Already used to screen and measure the efficiency of **antiperspirant** formulations in hours, instead of a month for gravimetry, Smart-Pore™ is also suited to **body care products** and **makeup**. Combined with Microfactory's **SOD4 technology**, the **sweating** or **seborrhea** mechanism is reproduced in a **controlled environment** with programmable temperature and humidity. With 30 years of experience in microfluidics, **Microfactory** opens new perspectives for research and cosmetics formulation.

[www.microfactory.eu](http://www.microfactory.eu)

## Evaluating the impact on the skin microbiota with Intertek



The skin microbiota diversity is essential in maintaining our skin healthy: "healthy skin goes through the harmony of its microbial landscape". So, it's interesting to ensure the balance of this diversity (or its rebalance) and to measure it. Intertek is offering a complete range of expertise in the field of microbiota:

- A suitable volunteers recruitment (healthy skin or acne, atopic dermatitis, dandruff .....),
- A standardized sampling method (technicians trained and certified by an Expert consultant),
- The control of samples transfer,
- The samples analysis,
- Results interpretation by an Expert consultant, well-recognized in the field of skin microbiota!

[www.intertek-france.com/etudes-cliniques](http://www.intertek-france.com/etudes-cliniques)

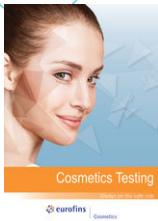
## BIO-EC Laboratory will celebrate 20 years of skin expertise during cosmetic 360!



For its third participation in the exhibition, BIO-EC Laboratory will associate this event with the festivities in honor of its **20 years of activity in the service of cosmetics efficacy tests, of complements food and medical devices**. On the show, BIO-EC will present its latest innovation, the **perf ex vivo model**, a model closer to human physiology (temperature, circulation, tension ...) allowing the study of stratum corneum in **real atmospheric conditions**, which be unveiled for the first time at the IFSCC congress during a dedicated conference, Wednesday 19th at 14.15pm.

[www.bio-ec.fr](http://www.bio-ec.fr)

## Eurofins in 2018: A global offer for high quality testing services



Because cosmetics testing offer needs to be global, Eurofins is developing a **worldwide testing network** with more than **30 testing laboratories**. Since August 2017, the French Group has invested in Sun Care testing excellence with Eurofins Dermatest in **Australia** and a network of **4 expert clinical laboratories in France, Spain, Romania and Australia**. From standard SPF testing to specific dosage of filters at the skin surface, Eurofins' protocols cover worldwide regulatory requirements. Eurofins will also be launching in 2018 a **new clinical testing facility in China** and develops its clinical testing network in the **United States**. With **experts involved in regulatory working groups** all over the world, Eurofins is a key partner for the entire process of cosmetics testing.

[www.eurofins.com/cosmetics](http://www.eurofins.com/cosmetics)

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 - Lipoid - Lipotec - Lucas Meyer - Merck - Mibelle - Naturex - Nikko Chemicals - Nikkol Oceals Provital 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

## Fibrotx and Eotech sign a new distributor agreement for France



Fibrotx (Estonia) manufactures non-invasive Transdermal Analysis Patches (TAP) to quantify **biomarkers concentration** (4 to 6 per patch). It is very easy to use,

put the patch on the skin, pull a few drops of physiologic product, wait for 20 minutes, remove it back to its box and ship it back. We do all the rest, analysis and reports within 2 weeks' time. Well-known biomarkers are available to **evaluate immunity or inflammatory processes, or indirectly hydration or collagen density**. Fibrotx also develops on demand biomarkers or layout and advice for specific studies. This new service completes the EOTECH's instrumentation offer oriented on physical parameters and will help to better understand the customer product effect.

[www.eotech.fr](http://www.eotech.fr)

## Multi-ethnic panels in multi-center for clinical studies over 3 continents by IEC



With **28 years of experience**, IEC is consolidating its international reputation with its

testing laboratories in Europe, South Africa and Asia (Japan, Singapore, Korea and China) to conduct **clinical safety and efficacy studies** as well as consumer tests on **multi-ethnic panels in multi-center studies** fully piloted by IEC France:

- **safety**: patch tests, in use tests under Dermatological control, Ophthalmological control...
- **efficacy**: whitening, skin radiance and transparency, hydrating, anti-aging effects, shapes and volumes of the face (AEVA-HE™ Breuckmann-Eotech) ...

Multicentric studies allowing to acquire important data on cutaneous and ocular acceptability of cosmetics, their sensorial perception and performance in relation to the specificities and requirements of consumers.

[www.iecfrance.com](http://www.iecfrance.com)

## Cosmepar supports the entire testing process of cosmetics



During the last 40 years, Cosmepar Group has developed a unique expertise in cosmetics testing by integrating the

**complete process of evaluation: microbiology, toxicology, tolerance and efficacy assessments.**

Last March, the company doubled the area dedicated to on human testing with the opening of an **additional testing Unit Clinical** in the heart of Nantes. It offers new possibilities for the reception and recruitment of the 6000 volunteers.

The tests on the **Skin Microbiome** or the **Microbiological Use Test (MUT)** developed over the past three years, illustrate this winning strategy to help cosmeticians to better objectivate their cosmetics products.

[www.cosmepar.fr](http://www.cosmepar.fr)

## Contact

[contact@skinobs.com](mailto:contact@skinobs.com)

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