

# zoom

BY SKINOBS

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For its 1st show, Skinobs is glad to offer you a review of brief and spontaneous news making its very latest since the launch, last April, of the database dedicated to in-human efficacy testing. We will tell you about trends in skin imaging, give you news of our partner's instrumentation and CRO's. Moreover, hydration being one of the central topics of the skincare claims, we will synthesize the present biometrological approaches.

Happy reading !  
Anne Charpentier, CEO

## Skinobs, for more effective and innovative cosmetics

Two years ago, we found that information about skin biometry and testing for cosmetics evaluation was poorly accessible. In 2015, following the results of a thorough survey of claim manager expectations, we began to design the database referencing methods, devices and testing laboratories. 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 access 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,
- locate on a world map devices manufacturers and CRO's,
- use a global company's directory,
- find visual and technological device descriptions.

Skinobs platform is today an international and a unique database developed with validated information collected from companies. Two new sections will come soon: consumer testing and in human tolerance assessment.

## What's inside?

Skinobs database is designed for cosmeticians involved in claims and substantiation. 3 key points to accelerate your search:

- access a basic search with 4 criteria: products, claims, subjects and countries
- go deeper with an advanced search with 6 keywords: technology, novelty, results, method, CRO's and device manufacturers
- very good news: you can reset your search whenever you need!

Just keep connected as we continuously reference new devices and CRO's. Our registration work is always under progress!

**TO HELP YOU TO CHOOSE, DAY-TO-DAY,  
THE METHODS AND THE CRO'S TO SUPPORT  
ALL YOUR CLAIMS**

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# IMAGING TRENDS

*What methods have the cosmeticians today to visually assess the performance of their cosmetics product or actives?*

The era of the digital, virtual and augmented reality guides more than ever the choice of studies towards the visual. The observation of the skin structure associated with a quantitative analysis seems to be the real quest for the Holy Grail. The available imaging techniques are representative of the technology sophistication of the skin surface and structure analysis. Confocal microscopy is today the iconic representation. Cerco is now the 1<sup>st</sup> French CRO to have it and Orion Technolab is able to propose you a full and tailor-made instrumentation training and support.

As to the final result, it is infinitely dependent on the mastery of the devices use as well as the expertise in the data treatment and their interpretation. The more the chosen technique is high-tech, the more the need for a sharp provider is crucial. Whether it is the Cerco, Cosderma, Evalulab, Farcoderm,

Dermatec, Dermscan, IEC, Merieux NutriSciences, or Spincontrol, each of these CRO's have dozens of years of experience in the area of the skin biometry and are choice partners in testing.

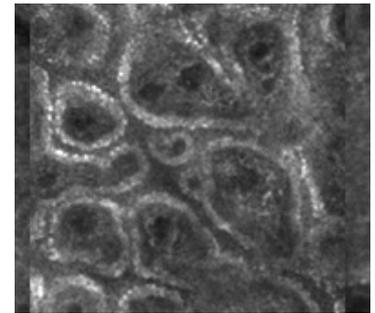
Skinobs database gathers numerous skin imaging methods used for anti-aging claims with all of their specifications:

- Biomechanical properties: Cutiscan, Dynaskin and SkinFlex(Orion),
- Surface condition: VisioScan, Visioface, Visia-CR, SiaScope, ViewSkin and HeadScan Compact (Orion)
- Macro or microrelief: Primoslite, Dermatop-HE, Antera 3D, AEVA-HE 110,
- The skin volume: AEVA - 250 HE,
- Skin Structure: by ultrasound (Dermascan, Dermalab Ultrasound...) by confocal microscopy (VivaScope by Mavig\*, VivoSight, MPT Flex...).

\* MAVIG new abstract «In vivo assessment of cytological changes by means of reflectance confocal microscopy - demonstration of the effect of topical vitamin E on skin irritation caused by sodium lauryl sulfate»

## Cerco explores all cutaneous with its new confocal microscope

Always at the forefront of the latest technologies, Cerco, *Centre d'Etudes et de Recherche en Cosmétologie*, expert in in vivo measurements for the efficacy of cosmetics, is now holding, since September 2016, a confocal microscope (Vivascope) which enables the exploration of all cutaneous layers in a non-invasive and innovative manner. This visualization and quantification tool enables the measurement of thickness of different layers, papillary dermis, pigmentation and collagen fragmentation. Among others, they will be able to evaluate the interactions between the deeper layers and the surface as well as the environmental impact of cosmetics. Fitting in with Cerco's strategic vision, besides all the standard skin objectivation tools, this optical biopsy tool is their latest way to explore the cutaneous structures. [www.cercotests.com](http://www.cercotests.com)



Confocal Microscopy study

## Anti-aging claims: insightful clinical evaluations by Dermscan



Before/after application protocol or comparison with a placebo/benchmark

People over 60s accounted for 12% of the global population in 2015 and will reach 17% by 2030. This segment is more and more interested in well-being than rejuvenating giving rise to new products' claims. A better knowledge of skin aging specificities of ethnic groups and their environmental influences allows to formulate cosmetics that meet expectations. Known as the

reference in the assessment of anti-aging effects, Dermscan conducts tolerance and efficacy studies of cosmetics. With laboratories in France, Poland, Tunisia and Thailand, Dermscan evaluates products on all types of skin and under various environmental conditions, lifestyles or cosmetic habits. [www.dermscan.com](http://www.dermscan.com)

## The new challenge of Spincontrol: hair tune, an innovative method to evaluate hair care products

Obviously, dry hair is hair that lacks moisture or, more accurately, hair that has lost the ability to retain and balance moisture. Washing, blow-drying, styling plus environmental factors such as UV light, can all play a role in how rapidly your hair loses its healthy cuticle.

Combing is then modified, as well as the noise from the brush in the hair. This new challenge was to catch the sound of hair that reflects the different status of hair: dry, damaged, etc. That is why, Transderma Systems and Spincontrol decided to offer an original method to evaluate effects of hair care products based on "the sound of hair". [www.spincontrolgroup.com](http://www.spincontrolgroup.com)



# MOISTURIZATION MEASUREMENT: BETWEEN TRADITIONAL AND HIGH-TECH

A recent study by Filorga-Sofres last September highlighted that the hydration is the most sensitive claim for the consumers. Since the superficial layers of the epidermis, investigators gradually go through the different layers of keratinocytes and fibroblasts taking into account the overall skin hydration. An unavoidable necessity considering the different modalities of skin hydration preservation and the myriad of mechanisms of actions proposed by the cosmetic active ingredients.

The best known measurement is the impedancemetry assessing the moisturizing effect of the several layers of the epidermis by measurement of the skin electrical properties. The measure is easy, fast, reproducible and well established and is carried out in contrasting climate like Evalulab performs regularly in Canada:

- Startum Corneum: Corneometer, Dermalab Hydration, Epsilon, MoistureMeter SC
- Epidermis: MoistureMeterEpi
- Dermis: MoistureMeterD

Alternatives to the impedancemetry have emerged with different orientations:

- Insight of the skin or hair surface: Visioscan and MoistureMap used by Cerco, Derscan, and Spincontrol among others, Dermalab Video, Hirox camera and VideometerLab and all other systems of skin observation
- Quantitative water in the skin: confocal microscopy LBRAM 800 used by the Cerco in partnership with the Median team of the Reims University
- TEWL indirect method: Aquaflux, Dermalab TEWL, Evapometer, Vapometer, Tewameter used by Farcoderm for hair evaluation
- A new method developed by Spincontrol based on facial expressions recognition to calculate an index of discomforts due to skin dryness

Finally, with high-tech non-invasive methods of the skin structure visualization:

- The Optical Multiphoton Tomography with the MPT Flexfrom
- The confocal microscopy with the VivaScope (Mavig) and the VivoSight

## Moisturizing by Skinobs



21 methods



28 CRO's located  
in 21 countries



More than 10 devices  
manufacturers



## All the news on cosmetics testing on Skinobs News !

Connect also to Skinobs News, the 1<sup>st</sup> market and technology intelligence tool for industrial cosmetic testing covering topics linking chemical analysis, toxicology, tolerance, in vitro and in vivo efficacy, use tests and sensory tests. [www.skinobs.com/news](http://www.skinobs.com/news)

## Our partners key figures

15

sensory experts regularly trained  
by Derscan

15

years since Dermatec creation

+ 20%

Cosderma turnover (2016 S1)

25<sup>th</sup>

Spincontrol anniversary

30%

reduction of collagen fragmentation  
by Cerco study (Vivascope)

215

scientific staff, in the 4.500 m<sup>2</sup>  
I.E.C labs worldwide

2016

Cosderma choose e-CRF management  
Merieux NutriSciences develops new  
Oral care claims support

## CROs with 3D key benefits

Multiple cutting  
edge technology



Multi-ethnic subjects



Multi locations

## Cosderma inaugurated a new brand laboratory in China



Cosderma inaugurated in September 2016 a brand new laboratory in Wuhan, China. This subsidiary endowed with the same state-of-the-art equipments as its parent company in Bordeaux allowed Cosderma to strongly increase its capacity of tests on Asian panel. Ms. Violette Ranc, Support Manager, recently joined the laboratory in Wuhan to facilitate the exchanges between the 2 centers. [www.cosderma.com](http://www.cosderma.com)

## Dermatec welcomes a new expert for innovative clinical tests



Dermatec Lyon, dermatological pole of LyREC located in Lyon Sud hospital, offers efficacy and safety tests since 2001. The team, dedicated to clinical research, provides eCRF data management (ICH/GCP), advice and expertise according to all projects. From October 2016, the team welcomes Agnès Lavoix. With 17 years of experience in cosmetic testing, she brings her expertise for innovative clinical tests. [www.dermatec-lyon.com](http://www.dermatec-lyon.com)

## Evalulab has a redesigned website!



Evalulab offers an innovative experience to better understand clinical tests that evaluate the safety and performance of skin care and beauty products. Their new web platform answers effectively all kind of questions and provides clear and detailed information to help appraise the advantages of clinical studies. [www.evalulab.com](http://www.evalulab.com)

## Mavig gets a new window into the skin



The confocal laser scanning microscopy (CLSM) used by Mavig provides for the first time a non-invasive view into the epidermis and superficial dermis in cellular resolution. It makes possible to depict cellular structures of living tissue in real-time without the need for lengthy preparation protocols or invasive biopsies. An area of interest of skin up to 8 mm<sup>2</sup> can be examined repeatedly over time by cosmetic researchers to document skin changes precisely. [www.vivascope.eu](http://www.vivascope.eu)

## From Mérieux NutriSciences, an integrated approach to claim substantiation



An integrated approach with different analytical applications, including new imaging tools, gives Mérieux NutriSciences the possibility to test cosmetics efficacy and new emerging claims. Imaging techniques are combined with expert clinical evaluation and subjective consumer judgment, with the aim to confirm efficacy of the product, underline its potentialities and provide the producer with solid basis for the marketing campaign. <http://www.merieuxnutrisciences.fr/fr/eng>

## Skinobs map: a worldwide view of CRO's location



## They have placed their trust in us

Basf - Bayer - Berkem - Botanicchem - Capsum - Chemyunion - 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 Ocealy - Provital Rahn - Robertet - Rossow - Sanofi - Seppic - Silab - Sollicbiotech - Thor - Unipex - Weckerle

Aesop - Ales - Alpol - Amore Pacific - Asepta - 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 - Philips - Pierre Fabre - Procter & Gamble - Rivadis - Sanofi - Shiseido - Sisley - SVR - Thalgo - Yves Rocher

## Complife is your teammate!



Complife is a worldwide group, which provides consulting and testing services for consumer goods and cosmetics companies. Life sciences experts are the key drivers of the Complife Group performance: Farcoderm, Farcos and Acticert, help their customers in demonstrating the safety, tolerability and efficacy of their products, as well as their chemical and microbiological features. Complife a wide range of services in the field of microbiology, chemistry, product development, as well as in the regulatory sector, helping to meet end users' expectations. [www.farcoderm.com](http://www.farcoderm.com)

## IEC Group, a worldwide leader



For several years and based on its experience in cosmetic evaluation, since 1990, IEC has significantly invested in the development of software and integrated computer systems to work the same way across all entities of the Group and ensure data security and tracking.

The CRO propelled the Group in the digital age consolidating its worldwide leader position, firstly by respecting the collection and processing of data with tools such as e-CRF, connected devices or electronic archiving, secondly by placing the consumer in the current market trends with connected objects or interactive applications and finally being in line with the strategies and expectations of its customers. [www.iecfrance.com](http://www.iecfrance.com)

## "Innovation" in routine by Orion



Innovation for the evaluation of cosmetic product efficacy, and mainly in the skin imaging as a "visible proof", is today the most important request for the industry. Some "Golden Rules" must be taken into account to insure the success of the clinical trials. Orion Concept Consulting and its experience of 20 years in the R&D of innovative techniques and their transfer in the routine of the clinical trials, proposes secured services and systems (OrionTechnoLab Instruments) to give a qualitative answer to this need of reliable innovation. [www.orion-concept.com](http://www.orion-concept.com)

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