

In Vitro Suncare - Open Days 2015

Editorial

As our laboratory is now in different parts of the world, I realize how it will be difficult to make things change when we will have at last reliable methods to determinate the sun protection. The methods of reference are still the In Vivo method both for SPF and UVA-PF. Everyone agrees results are sometime greatly different between laboratories or between different countries. If a powder is evaluated for UVA-PF in Europe or in Japan, we are sure to have different results.

As a matter of fact neither a study has been published on a significant number of products and quite enough different laboratories. So everyone knows but nobody says. Most of the great companies have their proper data but they cannot do anything. The level of requirement to demonstrate reproducibility with In Vitro (which can be only reached using an automatic spreading) is incredibly higher than what it had been done in the past with the In Vivo methods. Unless with few results from In Vivo, it is so evident In Vitro -when correctly done as described in several papers- is really more reliable than In Vivo. But also In Vitro is most of the time so badly realized...

Who take care about the last knowledge's for condition of testing to get reliable results unless widely demonstrated by the ISO expert group? It is astonishing when considering so much people, associations, committees which are interesting on sun care and consequences for health. On a technical point of view, things are going on quite quickly. Change the minds and behaviors about sun protection evaluation will take a long time...

Dominique Lutz, CEO Scientist Manager

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9-10th July 2015, Singapore
Conference by D. LUTZ

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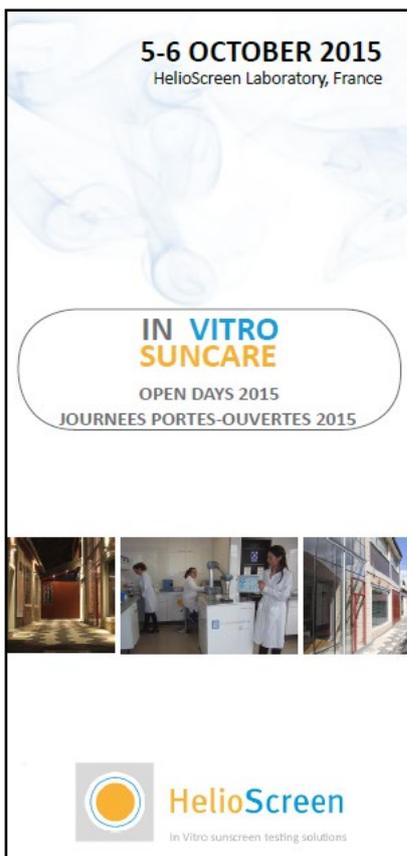
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IN VITRO SUNCARE

OPEN DAYS 2015

JOURNEES PORTES-OUVERTES 2015



5-6 OCTOBER 2015
HelioScreen Laboratory, France

IN VITRO
SUNCARE
OPEN DAYS 2015
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HelioScreen is pleased to propose for the first time an Open Days dedicated to the In Vitro Suncare testing the 5-6 October 2015 totally free of charge.

As a leader in In Vitro tests for more than 15 years, HelioScreen develops forefront methods and technologies regarding sunscreen testing. To ensure reliable results, several equipments are required to perform the tests. All professionals interested in visit our laboratory dedicated to In Vitro sun protection assessment and learning more about sun care testing, including R&D managers and directors, formulation chemists, regulatory affairs personnel, retailers of sun care products...

With an agenda based on Theoretical and Practical within 1 day, discover all fundamentals of sun protection tests and be positively surprised by a laboratory fully dedicated to the In Vitro Sunscreen testing.

Would you like to assist to this event?!

Please click [here](#) or on the image on the left or visit our website at www.helioscreen.fr in order to complete the registration form.

Focus on suncare website

Nowadays, the Internet changed our life enormously and is becoming more and more important for nearly everybody as it is one of the newest and most forward-looking information, there is no doubt about that.

Use of internet at work for professional usage increases and an interesting cosmetic testing survey (available by clicking [here](#)) performed by ATTRACTION-Conseil has also presented several results among 75 professional respondents with extracted information:

- looking for new suppliers occupies less than one hour per week for 73% of respondents,
- the search for new methods is achieved through internet search for 41% of respondents,
- when searching for new CRO (Clinical Research Organization) skin testing laboratories such as In Vitro sunscreen testing,

48% of respondents search on internet.

In order to save time and avoid confusion during internet search, with the help of Anne Canet-Charpentier, we summarized in the present HelioNews a non exhaustive list of several website dedicated to sunscreen in a global state divided into 6 parts with:

- Essential website about sun protection,
- Conference dedicated to suncare,
- Official association or committee,
- Consumables & appliances for testing laboratory,
- Interesting information from internet,
- Professional groups, online press and consumers.

Please enjoy reading this HelioNews and we remain at your disposal for any further request.

* The website links are given in the end of this HelioNews.

Essential website about sun protection



1. The BASF Sunscreen Simulator is a tool enabling the estimation of the Sunburn Protection Factor (SPF) and various common UVA-Metrics. This tool helps the formulator to compose of active ingredients in a sunscreen formulation, but it does not replace the actual formulation work and in vivo SPF testing of the final product.



5. The Skin Cancer Foundation is the only international organization devoted solely to education, prevention, early detection, and prompt treatment of the world's most common cancer.



HelioScreen

8. As evidence, HelioScreen is a specialist for more than 15 years of the In Vitro evaluation of sun protection products and offers you:
- a complete range of tests covering all needs for suncare development or claiming all over the world,
- all the consumables and services allowing the In Vitro UV testing,
- theoretical and practical sessions of training are proposed.



2. The Environmental Working Group uses the power of information to protect human health and the environment. The EWG Sunscreen Guide, launched in 2007 and updated annually, rates the safety and efficacy of sunscreens, daily moisturizers, lip products and SPF-rated makeup.



6. The aims of the SunSmart program are to minimise the human cost of skin cancer. Founded since 1988, it also taken a leadership role promoting a balance between the benefits and harms of UV radiation exposure and the links with vitamin D.



3. The mission of the Public Access to SunScreens Coalition is to work collaboratively with the FDA, Congress, health providers, consumer organizations and stakeholders to establish a regulatory pathway for timely pre-market review of new, safe and effective sunscreen ingredients.



7. AIM at Melanoma is globally engaged and locally invested in advancing the battle against melanoma through innovative research, legislative reform, education, and patient and caregiver support.



9. This website summarizes the different testing services in the field of cosmetics (including sun protection) from testing laboratories. An interesting toolbox for suncare product development and claiming help.



4. General information about the Ultraviolet radiation and the INTERSUN Programme proposed by the «WHO».

Conference dedicated to suncare



10. The International UV and Skin Cancer Prevention Conference will attract behavioural and epidemiological researchers, clinicians, health promotion and education professionals... interested in population-based approaches to skin cancer prevention.

SunProtectionConference

12. The Sun conference was first held in 1993 and is one of the most important European biennial technical conference providing industry updates to international audiences involved in suncare field.

SunProtection & Anti-ageing SkinCare Conference Asia
11. Developed to create an important meeting forum for all those involved in sun protection and anti-ageing skin care development, testing and claims substantiation in for the Asian Cosmetics Industry.

Florida Chapter Society of Cosmetic Chemists 2015 Sunscreen Symposium

13. Supported by the FCSCC (Florida Chapter Society of Cosmetic Chemists), this event is one of the most important meeting for sunscreen field in the United State of America.

Official association or committee



14. European Commission Recommendation of 22 September 2006 on the efficacy of sunscreen products and the claims.



15. The FDA published its Final Sunscreen Monograph in June 2011. Sunscreens must be tested according to the method set out in the Rules and Regulations in USA.



16. The different standards for the sun protection assessment by In Vivo and In Vitro methods developed by the International Organization for Standardization.



17. ASEAN regulations and other requirements for cosmetics are essentially aligned with the E.U.



18. REGLAMENTO TÉCNICO MERCOSUR SOBRE PROTECTORES SOLARES EN COSMÉTICOS (Resolución - 008/2011)



19. Cosmetics Europe - The Personal Care Association has been the voice of cosmetic, toiletry and perfumery industry since 1962 and published plenty of Guidelines and Recommendations.



20. Founded in 1959, Japan Cosmetic Industry Association continues to actively engage in ensuring consumer safety and development of cosmetic industry and proposed different methods.



21. The Australian regulatory guidelines for sunscreens (ARGS) have been developed to provide guidance to sponsors and manufacturers, and to assist in the understanding of the regulatory requirements for sunscreens in Australia.



22. The Cosmetic, Toiletry & Fragrance Association of South Africa (CTFA) is the industry's voice committed to maintaining the high quality and safety of cosmetic products.

Consumables & appliances for testing laboratory



23. HelioScreen proposes all the consumables and services allowing the In Vitro UV testing with PMMA substrates as the well known Helioplate HD6 (molded) and SB6 (sandblasted) with quality certificate for roughness assurance. Furthermore, specific equipment have been created through the HD-THERMASTER for temperature control at substrate surface during the whole test but also the innovative robotic spreading HD-SPREADMASTER ensuring reproducibility of In Vitro sunscreen testing.

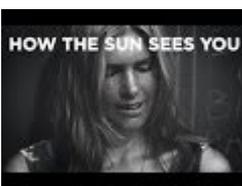


24. Labsphere proposes spectrophotometer incorporating the latest component and software technology, to achieve accurate in-vitro SPF/UVA-Protection Factor analysis of sun care products developed to receive the «very high» sun protection label.



25. Solar Light offers different ranges of Solar Simulator products that satisfy the wide range of applications and markets where these products are used. UV radiation for such effects as fade testing, degradation testing, as well as sunscreen protection testing and so on.

Interesting information from internet



26. How the sun sees you!

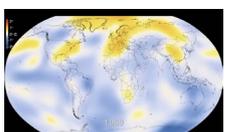
This video showed people what they looked like in ultraviolet, & wondered aloud if they wanted to put on some damn sunscreen already. Very funny but also interesting.



27. A compact disk (CD), specifically designed for personal use to adopt adequate sun protection behaviours, allows to estimate the UVI (Ultra Violet Index). The UVI is widely used as an indicator of UV levels at the earth's surface providing public awareness of the effects of prolonged exposure to the sun's rays.



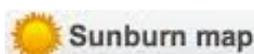
28. An essay published by Mary Schmuch published in a June 1997 Chicago Tribune column titled «Advice, like youth, probably just wasted on the young» giving a series of general advice intended to live a happier life and avoid common frustrations and became the basis for a song released in 1998 «Everybody's Free (To Wear Sunscreen)», also known as the Sunscreen Song.



29. Six decades of a warming Earth by NASA. No comment...



30. Here comes the sun: 5 apps for safer tanning.



31. Be informed about the UV index worldwide in a simple manner.

32. The Sunscreen Innovation Act (S. 2141) is a bill which reforms the current sunscreen approval process of the FDA by creating a timely and transparent process.



33. ANSM (French National Agency for Medicines and Health Products Safety) provides recommendations to study conditions for assessing the stability of the solar products.

Professional groups, online press and consumers

Which?

34. Which? has UK consumer interests at heart and to protect consumer rights, review products and offer independent advice.

Consumers Union
POLICY & ACTION FROM CONSUMER REPORTS

35. Consumers Union works to pass consumer protection laws in USA. They encourage companies that are heading in the right direction and proposes the Consumer Reports magazine.

Cosmetics
design-europe.com

Cosmetics
design.com | USA

Cosmetics
design-asia.com

36. CosmeticsDesign-Europe.com, USA.com Asia.com are the leading and highest read European, USA and Asia news website in the cosmetics industry.

60
millions
de consommateurs

37. INC conducts in France awareness campaigns on consumer issues, research and educational tools that are then published in the magazine «60 Millions de consommateurs». [French]

L'OBSERVATOIRE des COSMÉTIQUES 38. L'Observatoire des Cosmétiques summarizes all topics about the sun protection. [French]

premium beauty news
com

brazil beauty news
com

39. PremiumBeautyNews.com and BrazilBeautyNews.com are website devoted to professionals of the cosmetics and beauty industries.

SpecialChem
connect • innovate • accelerate

40. The sun care market always moved. Subscribe to this channel to follow sun care information.

cosmetics business

41. Cosmetics Business provides news and information about the cosmetics, personal care and beauty industries through print, digital and live platforms.

consumer.
now you know

42. Consumer NZ is an independent, non-profit organisation established in 1959 dedicated to getting New Zealanders a fairer deal. They published some reports about sunscreen products.

Before-sun / After-sun

It is well-known that a sun protection is required during an UV exposure in order to reduce the sun ray damages on the skin. Nevertheless, beyond this fact which is now well accepted, sun prevention should be also adopted before-sun and after-sun exposure.

Regarding «before-sun» impact, several benefits effect have been already recognized through:

- Adapt your alimentation (omega 3, betacarotene, vitamine A, E & C...)
- Moisturize your skin (also during and after sun exposure)
- No UV sessions before (contrary to popular belief, UV sessions do not protect the skin against sunburn. Instead, they encroach on your solar capital)
- Progressive exposure (no more than 15 min the first times)

Concerning «after-sun» need, according to a recent new research published online[1], it seems that the damage caused by UV radiation continues to occur hours after sun exposure. Indeed, with an UV lamp the melanocytes not only generated CPDs (DNA damage known as a cyclobutane dimer) immediately but continued to do so hours after UV exposure ended, i.e. in the dark.

Finally, in searching for an explanation of these results, the researchers also pointed to a ray of hope for new preventive tools, such as an “evening-after” sunscreen designed to block this phenomena.

To conclude, a global sun prevention is required by means of the use of before-during-after sun protection which lead to reduce negative human UV effects.

Scientifics articles & News

[1] Douglas E. Brash. Sunlight continues damage skin dark. <http://news.yale.edu/2015/02/19/sunlight-continues-damage-skin-dark>

EuroCosmetics • March 2015:

- Interview: A conversation with Dominique Lutz, CEO HelioScreen

EuroCosmetics • April 2015:

- S. Miksa, D. Lutz and C. Guy. *Reliability for sun protection factor assessment – What we have learned from In Vitro sunscreen testing*

Website link

Essential website about sun protection

1. https://www.sunscreensimulator.basf.com/Sunscreen_Simulator/Login_show.action
 2. <http://www.ewg.org/>
 3. <http://www.passcoalition.com/>
 4. http://www.who.int/uv/sun_protection/en/
 5. <http://www.skincancer.org/>
 6. <http://www.sunsmart.com.au/>
 7. <http://www.aimatmelanoma.org/>
 8. <http://helioscreen.fr/en>
 9. <http://www.skinobs.com/>
- Conference dedicated to suncare**
10. <http://uvandskincancer2015.org/>
 11. <http://www.europeanemploymentforum.eu/index.php?&id=39>
 12. <http://www.europeanemploymentforum.eu/index.php?&id=16>
 13. <http://www.flsc.org/SUNSCREEN-SYMPOSIUM.html>
- Official association or committee**
14. <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:265:0039:0043:EN:PDF>
 15. <http://www.gpo.gov/fdsys/pkg/FR-2011-06-17/pdf/2011-14766.pdf>

16. http://www.iso.org/iso/home/store/catalogue_tc/catalogue_tc_browse
 17. <http://aseancosmetics.org/default/asean-cosmetics-directive/technical-documents>
 18. http://www.mercosur.int/innovaportal/v/3186/1/secretaria/resoluciones_2011
 19. <https://www.cosmeticeurope.eu/publications-cosmetics-europe-association.html>
 20. <http://www.jcia.org/n/en/>
 21. <https://www.tga.gov.au/publication/australian-regulatory-guide-lines-sunscreens-args>
 22. <http://www.ctfa.co.za/>
- Consumables & appliances for testing laboratory**
23. http://helioscreen.fr/en/substrats/consumable_services
 24. <http://www.labsphere.com/>
 25. <http://solarlight.com/>
- Interesting information from internet**
26. <http://youtu.be/o9BqrSAHbTc>
 27. <http://www.teknoscienze.com/>
 28. <http://youtu.be/sT7AzBIJoI>

29. http://youtu.be/gaJtS_WDmI
 30. <http://www.techhive.com/article/2038649/here-comes-the-sun-5-apps-for-safer-tanning.html>
 31. <http://sunburnmap.com/fr/>
 32. <https://www.congress.gov/bill/113th-congress/senate-bill/2141>
 33. http://ansm.sante.fr/var/ansm_site/storage/original/application/94b421a36160d8439caf57448eb85a8b.pdf
- Professional groups, online press and consumers**
34. http://press.which.co.uk/wp-content/uploads/2014/05/suncream_R2f.pdf
 35. http://www.cbsnews.com/htdocs/pdf/CR_Sunscreen_072K14.pdf
 36. <http://www.cosmeticsdesign-europe.com/>
 37. http://www.60millions-mag.com/kiosque/mensuels/cremes_solaires_une_protection_trompeuse_nbsp
 38. <http://www.observatoiredescosmetiques.com/actualite/dossiers/solaires-le-dossier-1761.html>
 39. <http://www.premiumbeautynews.com/>
 40. <http://cosmetics.specialchem.com/>
 41. <http://www.cosmeticsbusiness.com/>
 42. <https://www.consumer.org.nz/articles/sunscreens>