HelioScreen

In Vitro sunscreen testing solutions

IN VITRO UV TESTS

HelioScreen, specialist for more than 20 years of the **In Vitro evaluation of sun protection** products, offers you a complete range of tests answering the various world regulations.

More than 20% of our activity is devoted to **research and innovation** for continuous improvement of tests. Traceability and quality are the company's permanent commitments.

Pioneer in the field, we put at your service our **scientific expertise** acquired over these years of practice and internationally recognized.

TIMELINE

DAY

- **0** — Reception of the product(s). Conditioning at least 24H. Reception sheet including test(s) schedule.
- **3-5** — Test(s) perfomed. Preliminary result(s) sent.
- **10-15** — Final report(s) sent.

With a wide range of tests covering all needs and also European, Asia, USA and International regulations, HelioScreen assists you in full compliance with the latest standards and official methods. Specific methods are also available to help you for development and quality control of your sunscreen products.

SCREENING

As part of the development of your products or to identify a potential candidate, we offer screening tests allowing you to assess easily UVB and UVA protection.

CLAIMING

We propose you to assess the sun protection of your products in total compliance with official methods and to claim the properties of your products by exclusive tests developed by HelioScreen.

CONTROL

In order to optimize your sunscreen products or to control the quality of your products, we propose you exclusive tests developed by HelioScreen.

SPF - UVAPF - CRITICAL WAVELENGTH - WATER RESISTANCE - PHOTOSTABILITY
RUB RESISTANCE - WET SKIN - EXTREME CONDITIONS - LONG LASTING - SAND RESISTANCE
UVC - BLUE LIGHT - VISIBLE LIGHT - INFRARED - FULL SPRECTRUM

REGULATIONS

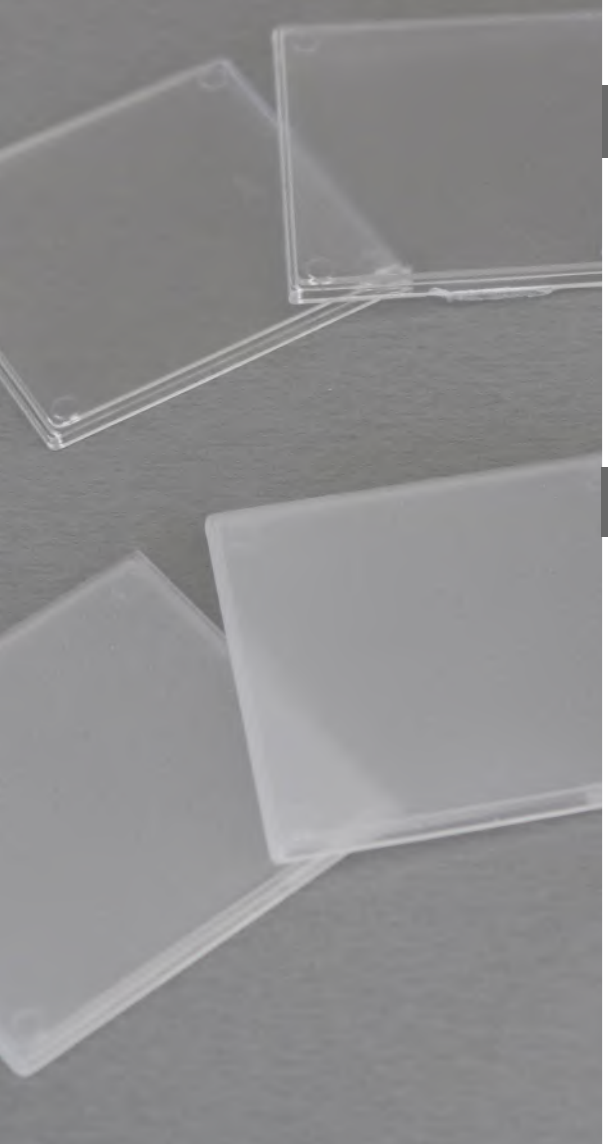
UVB
In Vitro SPF - ISO/CD 23675
In Vivo SPF* - ISO 24444:2019
In vivo SPF* - FDA 2011

UVA
In Vitro UVAPF & CW - ISO 24443:2021
In Vitro CW Broadspectrum - FDA 2011
In Vitro UVA:UVB - Boots Star Rating 2011
In Vivo UVAPF* - ISO 24442:2022

WATER RESISTANCE
In Vivo Water Resistance* - ISO 16217:2020 & ISO 18861:2020
In Vivo Water Resistance* - FDA 2011

*performed by our In Vivo partner

CLICK TO FIND
OUR DISTRIBUTORS



PMMA SUBSTRATES

Our substrates are recognized worldwide for In Vitro sun protection assessment such as SPF, UVAPF, Critical Wavelength, etc.

Molded PMMA Helioplates HD6

- **ISO/CD 23675** In Vitro SPF
- **ISO 24443:2021** In Vitro UVAPF and Critical Wavelentgh
- **FDA rev. 2011** In Vitro Broad Spectrum
- **Boots Star Rating System rev. 2011** In Vitro UVA:UVB ratio
- **COLIPA 2011** In Vitro UVAPF and Critical Wavelength

Sandblasted PMMA Helioplates SB6

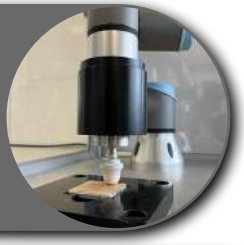
- **ISO/CD 23675** In Vitro SPF
- **ISO 24443:2021** In Vitro UVAPF and Critical Wavelength
- **FDA rev. 2011** In Vitro Broad Spectrum
- **Boots Star Rating System rev. 2011** In Vitro UVA:UVB ratio

From our knowledge and expertise, we have provided the first worldwide reproducible substrate with the Molded PMMA Helioplates HD6 recognized for the In Vitro sun protection evaluation. In addition to this substrate, our laboratory developed the reproducible Sandblasted PMMA Helioplates SB6 obtained by a unique sandblasting process.

EQUIPMENT

Involved in in vitro sun protection evaluation, HelioScreen has developed technological innovations in this area allowing you to improve and optimize your results.

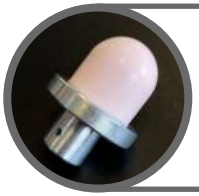
The **HD-SPREADMASTER** allows total control of sunscreen spreading by means of its concept of **robot spreading**. Indeed, it has been demonstrated that the human spreading provides a significant variability in the results even if the tests are performed in the best conditions.



The **HD-THERMASTER** is especially designed for In Vitro sunscreen testing to control and maintain the temperature during whole process. Indeed, it has been demonstrated that **control of the temperature at substrates surface** is essential during whole process of sunscreen evaluation to ensure the reliability of the In Vitro tests.

HD0

Set of two **HD0 calibrated plates**, containing UV filters in PMMA material, for carrying out the normative test to check the additivity and the linearity of your spectrophotometer **in compliance with ISO 24443:2021**.

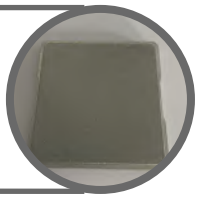


Silicone finger used for **spreading the sunscreen product** (to be replaced approximately every 400 uses). To be used with a finger cot.

FINGER

NACELLE

Metallic support for **positioning HD6 and/or SB6 substrates** and to easily spreading sunscreen products and help to maintain the temperature by thermal



SUNSCREEN REFERENCE STANDARDS

Sunscreen reference standards are used to validate the In Vivo and In Vitro sunscreen testing procedure. Each batch has passed is totally compliant with international norms stability test for at least one year and includes a Certificate of Analysis for physical-chemical and UV filters content.

P2
SPF 16

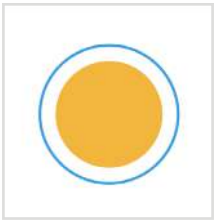
P5
SPF 30

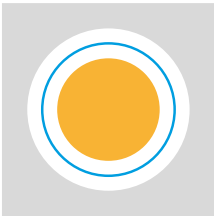
P8
SPF 63
UVAPF 21

S2
UVAPF 12

TRAINING

HelioScreen has acquired over these years a solid and specific experience in In Vitro solar tests.
As a benchmark laboratory in this field, we offer theoretical and practical training sessions.





Module 1: FUNDAMENTALS

Principles and regulation

Theoretical basis to understand:

- Testing methods In Vitro and In Vivo comparison
- Technique and limits
- Results interpretation

0.5 day
5 trainees
In your office or in our laboratory

Module 2: DEEPENING

Laboratory tests practice

Essentials elements to comprehend:

- Existing methods, their specificities
- Testing: conditions, control, data treatment

1 – 2 days
3 – 5 trainees
In your office or in our laboratory

Module 3: DEVELOPMENT

Testing improvement at the laboratory

Information to explain:

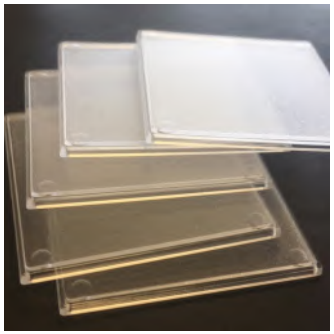
- Your specific questions
- Your laboratory practical difficulties
- The specific methods

1 – 2 days
3 – 5 trainees
In your office or in our laboratory

NEW: Theorical training can now be done by e-meeting

HelioScreen

In Vitro sunscreen testing solutions



CONTACT US

www.helioscreen.fr

commercial@helioscreen.fr

+33 (0)3 60 46 80 15

44 rue Léon Blum - 60100 - Creil - FRANCE