



XenoSkin H – *Ex vivo* fresh and frozen human skins

For skin permeation and penetration studies of chemical, pharmaceutical and cosmetic products

Broad selection of ***ex vivo*** human and animal skin samples: Full skin, dermatomic sections, isolated stratum corneum, single bovine nail sheets. The skins are prepared under high quality standards after cosmetic surgery. Skin samples are collected from donors who gave their informed consent.

Ex vivo human skins are important for the chemical, pharmaceutical, cosmetic industries and are designed for:

- selecting drug candidates for dermal application
- characterization of topical dosage forms
- quality assessment
- safety evaluation of chemicals or pesticides
- safety evaluation of cosmetic active ingredients
- selecting a suitable vehicle

Alternatives to animal testing

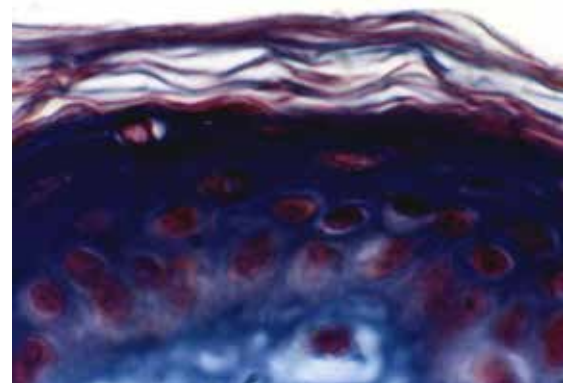
The **ex vivo** XenoSkin H offers an excellent alternative to animal testing for the efficacy and safety of a chemical, pharmaceutical or cosmetic compound. It fulfills the criteria of multiple guidelines.

- «Ban on animal testing» directive in the EC which prohibits to market cosmetic products or its ingredients tested on animals.
- 3Rs directive to replace, reduce and refine animal use in safety and efficacy evaluations
- REACH (Registration, Evaluation and Authorization of Chemicals) regulation for controlling chemicals in Europe.



XenoSkin H delivers

- High quality human skins samples are prepared according to high quality standards.
All skin samples are collected under strict ethical restrictions and with informed consent.
- Average age of donor is 45 years, with a skin thickness found in the average population
- XenoSkin H is tested for HIV and HCV absence
- **Ex vivo** human and animal XenoSkins H are available in squares, discs or other formats in different sizes from 1–550 cm². Larger unpunched skin pieces, customized skins or quality control with mannitol or caffeine are available.
- Quality approved according to OECD and SCCNFP guidelines:
Thickness of stratum corneum, measurement of skin thickness, permeation of caffeine or other markers through the skin, calculation of body mass index, documentation of donor data, disinfectant used before surgery.



Art. No.	Name	Skin Type
H-F4MS-1	XenoSkin H	Human Skin, full thickness
H-F4S-1	XenoSkin H	Human Skin, full thickness
H-D4MS-1	XenoSkin H Dermatomed	Dermatomed human Skin
H-D4S-1	XenoSkin H Dermatomed	Dermatomed human Skin
B-F20D-25	XenoNail B Sheet	Single Bovine Nail Sheet

Also available from Xenometrix AG

- Bioassays for the detection of Endocrine Disruptors: XenoScreen YES YAS
- Ames Mutagenicity assay kits, ready to use, accessories: Ames MPF PENTA I
- Multiple and single Endpoint Cytotoxicity Assay Kits
- Analytical Service : In vitro and Eco-Toxicology, Environmental Fate, Chemical Analysis

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