



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 with and without adipose tissue, dermatomic sections, isolated stratum corneum, single bovine nail sheets. The skins are prepared under high quality standards within one hour 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



XENOMETRIX

Alternatives to animal testing

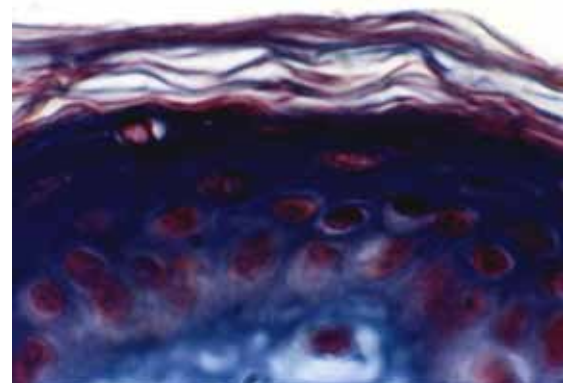
The **ex vivo** XenoSkin H offers an excellent alternative to animal testing for the efficacy and safety of a chemical, pharmaceutical or cosmetic compound. It fulfills the criteria of multiple guidelines.

- «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 within one hour post cosmetic surgery. 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 Xtra	Human Skin, full thickness without stretch marks
H-F4S-1	XenoSkin H	Human Skin, full thickness with slight stretch marks
H-D4MS-1	XenoSkin H Dermato Xtra	Dermatomed human Skin without stretch marks
H-D4S-1	XenoSkin H Dermato	Dermatomed human Skin with slight stretch marks
B-F20D-25	XenoNail B Sheet	Single Bovine Nail Sheet
in prep.	XenoSkin P Buccal	Single Pig Buccal Skin
in prep.	XenoSkin P Gingiva	Single Pig Gingiva Skin

Also available from **Xenometrix AG**

Bioassays for the detection of endocrine disruptor based on yeast cells with human estrogen and androgen receptors

N05-230-P XenoScreen YES/YAS 5 x 96 Measuring Points

N05-230-PL XenoScreen XL YES/YAS 5 x 96 Measuring Points, Including Lyticase

Kits include all reagents to analyze five compounds in duplicates, seven concentrations, calibration and controls, agonistic and antagonistic activities of androgenic and estrogenic receptors.



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