



STUDY	TEST PROCEDURE	DELAY	STUDY CODE
LOCAL TOLERANCE			
SKIN IRRITATION IN VIVO	Assessment of skin irritation potential on volunteers 48 hrs Patch-test under dermatological control 1 reading at 48 hours	2 weeks	ST-HICV
SKIN IRRITATION IN VITRO	Assessment of skin irritation potential on human reconstructed epidermis ❖ Performed on in vitro Reconstructed Human Epidermis (RHE EpiSkin®) ❖ Topic application on the surface of tissues • Contact period : 18-24 hours	5 weeks	IC-EP
OCULAR IRRITATION 2 METHODS	Assessment of ocular irritation potential - 2 alternative methods : Het-CAM+CFIO • 1. Het-Cam : performed on the chorioallantoic membrane of the hen's egg • 2. CFIO : Performed on rabbit cornea fibroblasts (SIRC line)	3 weeks	IOP
OCULAR IRRITATION HET-CAM test	Assessment of ocular irritation potential - Chorioallantoic membrane of hen's egg method ❖ Performed on chorioallantoic membrane of hen's egg ❖ According to OJFR dated December 28th 1996 – Decree dated November 29th 1996- Annex IV	2 weeks	MCAJO
OCULAR IRRITATION DIFFUSION IN AGAROSE GEL	Assessment of ocular irritation potential - Agarose gel method • Performed on mouse lung fibroblasts (cell line L929) • According to OJFR dated December 30, 1999 – Decree of December 27, 1999- Annex V	2 weeks	AGA
OCULAR IRRITATION NEUTRAL RED UPTAKE TEST	Assessment of ocular irritation potential - Neutral red uptake method • Performed on rabbit cornea fibroblasts (SIRC line) • According to OJFR dated December 30, 1999 – Decree of December 27, 1999- Annex VI	2 weeks	RNN
OCULAR IRRITATION ON EPITHELIUM	Assessment of ocular irritation potential on reconstructed human corneal epithelium ❖ Performed on in vitro reconstructed Human Corneal Epithelium (HCE SkinEthic™) ❖ According to OECD 492	5 weeks	IO-HCE
OCULAR CORROSIVITY	Assessment of severe ocular irritation/corrosion potential –Fluorescein linkage method • Performed on Madin-Darby Canine Kidney cells (MDCK) • According to OECD n° 460	5 weeks	IO-COR
OCULAR CORROSIVITY	Assessment of severe ocular irritation/corrosion potential by Short Time Exposure test • Performed on rabbit cornea fibroblasts (SIRC line) • According to OECD 491	3 weeks	IO-STE
PHOTOTOXIC POTENTIAL			
PHOTOTOXICITY	Assessment of phototoxic potential of perfumes / hydroalcoholic formulations – NRU assay • Performed on L929 cell line (adaptation of OECD 432) • Or performed on 3T3 cells : according to OECD 432 • Comparison of IC50 with and without UVA irradiations	3 weeks	PTC



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PHOTOTOXIC POTENTIAL			
PHOTOTOXICITY ON TISSUE MODEL	Assessment of phototoxic potential of perfumes / Hydroalcoholic formulations ❖ Performed on in vitro Reconstructed Human Epidermis (RHE EpiSkin®) (liposoluble products) ❖ Comparison of UVA cytotoxicity in control epidermis and treated epidermis	5 weeks	PTCE
	Assessment of phototoxic potential of cosmetic products / Non hydroalcoholic formulations ❖ Performed on in vitro Reconstructed Human Epidermis (RHE EpiSkin®) ❖ Comparison of UVA cytotoxicity in control epidermis and treated epidermis	5 weeks	PTCE-NHA
TOLERANCE ON SPECIFIC EPITHELIUM			
TOLERANCE OF PRODUCTS FOR LABIAL APPLICATION	Assessment of irritating potential of finished product for labial application ❖ Performed on in vitro reconstituted Human Oral Epithelium (HOE EpiSkin®) ❖ Application of product onto the epithelium • 1 contact time ❖ Determination of tissue viability	5 weeks	IML-HOE
TOLERANCE OF PRODUCTS FOR BUCCAL HYGIENE	Assessment of irritating potential of finished product for buccal hygiene ❖ Performed on in vitro reconstituted Human Oral Epithelium (HOE EpiSkin®) ❖ Application of product onto the epithelium • 1 contact time ❖ Determination of tissue viability	5 weeks	IMO-HOE
TOLERANCE OF PRODUCTS FOR GUM APPLICATION	Assessment of irritating potential of finished product for gum application ❖ Performed on in vitro reconstituted Human Gum Epithelium (HGE EpiSkin®) ❖ Application of product onto the epithelium • 1 contact time ❖ Determination of tissue viability	5 weeks	IMO-HGE
TOLERANCE OF PRODUCTS FOR NASAL HYGIENE	Assessment of irritating potential of finished product for nasal hygiene ❖ Performed on in vitro human nasal epithelium (EpiAirway epithelium Model, MatTek) reconstituted from bronchial and tracheal epithelial cells ❖ Application of product onto the epithelium • 3 contact times ❖ Determination of ET50	5 weeks	MNE
TOLERANCE OF PRODUCTS FOR INTIMATE HYGIENE	Assessment of irritating potential of finished product for intimate hygiene ❖ Performed on in vitro reconstituted Human Vaginal Epithelium (HVE EpiSkin®) ❖ Application of product onto the epithelium • 3 contact times ❖ Determination of tissue viability and the MCI (Mean cytotoxicity Index)	5 weeks	IMV-HVE