



STUDY	TEST PROCEDURE	DELAY	STUDY CODE
LOCAL TOLERANCE			
SKIN IRRITATION IN VIVO	Assessment of skin irritation potential on volunteers 48 hours Patch-test under dermatological control	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 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)	3 weeks	IOP
OCULAR IRRITATION HET-CAM	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 (L929) • According to OJFR dated December 30, 1999 – Decree of December 27, 1999- Annex V	2 weeks	AGA
OCULAR IRRITATION NEUTRAL RED UPTAKE	Assessment of ocular irritation potential - Neutral red uptake method • Performed on rabbit cornea fibroblasts (SIRC) • 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) • According to OECD 491	3 weeks	IO-STE
PHOTOTOXIC POTENTIAL			
PHOTOTOXICITY	Assessment of phototoxic potential of perfumes / hydroalcoholic formulations – NRU assay • Performed on L929 (adaptation of OECD 432) or on BALB/c 3T3 : according to OECD 432 • Comparison of IC50 with and without UVA irradiations	3 weeks	PTC



STUDY	TEST PROCEDURE	DELAY	STUDY CODE
PHOTOTOXIC POTENTIAL			
PHOTOTOXICITY ON TISSUE MODEL	<p>Assessment of phototoxic potential of perfumes / Hydroalcoholic formulations</p> <ul style="list-style-type: none"> ❖ Performed on in vitro Reconstructed Human Epidermis (RHE EpiSkin®) (liposoluble products) ❖ Comparison of UVA cytotoxicity in control epidermis and treated epidermis 	5 weeks	PTCE
	<p>Assessment of phototoxic potential of cosmetic products / Non hydroalcoholic formulations</p> <ul style="list-style-type: none"> ❖ 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	<p>Assessment of irritating potential of finished product for labial application</p> <ul style="list-style-type: none"> ❖ Performed on in vitro reconstituted Human Oral Epithelium (HOE EpiSkin®) ❖ Application of product onto the epithelium • 1 contact time ❖ Determination of tissue viability 	4 weeks	IML-HOE
TOLERANCE OF PRODUCTS FOR BUCCAL HYGIENE	<p>Assessment of irritating potential of finished product for buccal hygiene</p> <ul style="list-style-type: none"> ❖ Performed on in vitro reconstituted Human Oral Epithelium (HOE EpiSkin®) ❖ Application of product onto the epithelium • 1 contact time ❖ Determination of tissue viability 	4 weeks	IMO-HOE
TOLERANCE OF PRODUCTS FOR GUM APPLICATION	<p>Assessment of irritating potential of finished product for gum application</p> <ul style="list-style-type: none"> ❖ Performed on in vitro reconstituted Human Gum Epithelium (HGE EpiSkin®) ❖ Application of product onto the epithelium • 1 contact time ❖ Determination of tissue viability 	4 weeks	IMO-HGE
TOLERANCE OF PRODUCTS FOR NASAL HYGIENE	<p>Assessment of irritating potential of finished product for nasal hygiene</p> <ul style="list-style-type: none"> ❖ Performed on in vitro human nasal epithelium (EpiAirway epithelium Model, MatTek) reconstituted from bronchial and tracheal epithelial cells ❖ Application of product onto the epithelium • 1 or 3 contact times ❖ Determination of ET50 	4 weeks	MNE
TOLERANCE OF PRODUCTS FOR INTIMATE HYGIENE	<p>Assessment of irritating potential of finished product for intimate hygiene</p> <ul style="list-style-type: none"> ❖ 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) 	4 weeks	IMV-HVE