



# TOXICITY OF COSMETIC INGREDIENTS And/or CHEMICAL SUBSTANCES

STUDY	TEST PROCEDURE	DELAY	STUDY CODE
SKIN CORROSIVITY	<b>Assessment of skin corrosivity potential on human reconstructed epidermis</b> ❖ Performed on in vitro Reconstructed Human Epidermis (RHE EpiSkin™) ❖ According to OECD 431	5 weeks	CORRO
SKIN IRRITATION	<b>Assessment of skin irritating potential on human reconstructed epidermis</b> ❖ Performed on in vitro Reconstructed Human Epidermis (RHE EpiSkin™) ❖ According to OECD 439	5 weeks	IC-CHEM
OCULAR CORROSIVITY	<b>Assessment of severe ocular irritating/corrosivity potential by fluorescein leakage test</b> • Performed on Madin-Darby Canine Kidney cells (MDCK) • According to OECD 460	4 weeks	IO-COR
OCULAR CORROSIVITY	<b>Assessment of severe ocular irritating/corrosivity potential by Short Time Exposure test</b> • Performed on rabbit cornea fibroblasts (SIRC) • According to OECD 491	3 weeks	IO-STE
OCULAR IRRITATION	<b>Assessment of irritating potential on human reconstructed cornea</b> ❖ Performed on reconstructed Human Corneal Epithelium (HCE SkinEthic™) ❖ According to OECD 492	4 weeks	IO-CHEM
HET-CAM	<b>Assessment of irritating potential on the chorioallantoic membrane of the Hen's egg</b> • Performed on chorioallantoic membrane of the Hen's egg • According to the OJFR dated December 28th, 1996 – Decree November 29th, 1996 - Annex IV	3 weeks	MCA-CHEM
SYSTEMIC TOXICITY	<b>Assessment of acute oral toxicity by in vitro cytotoxicity assay 3T3 NRU – Estimation LD50</b> • Performed on murine fibroblast cell line (BALB/c) • According to OECD 129 and test procedure EURL ECVAM DB-ALM N°139	3 weeks	CYTO-CHEM
PHOTOTOXICITY	<b>Assessment of phototoxic potential by in vitro cytotoxicity assay 3T3 NRU</b> • Performed on murine fibroblast cell line (BALB/c) • According to OECD 432	3 weeks	PTC-CHEM
	<b>Assessment of phototoxic potential on human reconstructed epidermis</b> • Performed on in vitro Reconstructed Human Epidermis (RHE EpiSkin™)	5 weeks	PTCE-CHEM
SENSITIZATION	<b>Assessment of skin sensitization potential by combining 2 or 3 methods sequential approach – Step 1 :</b> • Performed on Lysine and Cysteine peptides • OECD 442C equivalent • Performed on THP-1 cell line • OECD 442E equivalent	7 weeks	PSIV-MRP PSIV-MAC
	<b>Assessment of skin sensitization potential by combining 2 or 3 methods sequential approach</b> • <b>Step 2</b> (in case of inconclusive data in step 1) • performed on keratinocytes HaCaT Line	4 weeks	PSIV-KATIL



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SENSITIZATION	<b>Assessment of skin sensitization potential on human reconstructed epidermis</b> <ul style="list-style-type: none"><li>❖ Performed on in vitro Reconstructed Human Epidermis (RHE EpiSkin™)</li><li>❖ Determination of tissue viability and secreted IL-18 rates</li></ul>	5 weeks	PSIV-RHE- CHEM