



TOXICITY OF COSMETIC INGREDIENTS And/or CHEMICAL SUBSTANCES

STUDY	TEST PROCEDURE	DELAY	STUDY CODE
SKIN CORROSIVITY	Assessment of skin corrosivity potential of chemicals after application on human reconstructed epidermis (Episkin Model) - According to OECD 431	5 weeks	CORRO
SKIN IRRITATION	Assessment of irritating potential of a cosmetic raw material after application on human reconstructed epidermis (Episkin Model) - According to OECD 439	5 weeks	IC-CHEM
OCULAR CORROSIVITY	In vitro assessment of ocular irritating/corrosivity potential by fluorescein leakage test method on Madin-Darby Canine Kidney cells (MDCK) According to OECD 460	5 weeks	IO-COR
OCULAR IRRITATION	Assessment of irritating potential of a cosmetic raw material after application on human reconstructed cornea (Skinethic Model) COTOVIO J. et al, Proc 6th World Congress on alternatives & animal USE in the life Sciences (August 21-25,2007)	5 weeks	IO-CHEM
HET-CAM	Assessment of irritating potential after application on the chorion-allantoic membrane of the Hen's egg – According to the OJFR dated December 28, 1996 – Decree November 29, 1996-Annex IV	3 weeks	MCA-CHEM
SYSTEMIC TOXICITY	Assessment of acute oral toxicity by in vitro cytotoxicity assay 3T3NRU. According to OECD 129 and test procedure EURL ECVAM DB-ALM N°139 Estimation of the lethal dose 50 (LD50) of the test item from the 50% inhibitory concentration (IC50) - BALB/c - 3T3 cells	3 weeks	CYTO-CHEM
PHOTOTOXICITY	Assessment of phototoxic potential <ul style="list-style-type: none"> • 3T3 cells : according to OECD 432 – NRU assay • RHEs : MTT assay 	3 weeks 5 weeks	PTC-CHEM PTCE-CHEM
In Vitro SENSITIZATION	Assessment of skin sensitization potential by combining 2 or 3 methods for detection of sensitizing substances according to an experimental sequential approach <ul style="list-style-type: none"> • Step 1 : mDPRA + mh-CLAT • Step 2 (in case of inconclusive data in step 1) : KAT-IL-18 	7 weeks	PSIV-CHEM
AMES TEST	Assessment of mutagenic potential – According to OECD 471 and EEC guideline 2000/32/EC, B13/14, June 8, 2000 <ul style="list-style-type: none"> • Performed on Salmonella typhimurium and Escherichia coli – 2 independent assays 	8 weeks	AMES