

List of Acronyms/Abbreviations

ATC	Acute Toxic Class
ATCC	American Type Culture Collection
BALB/c	Inbred strain of mouse
BgVV	Federal Institute for Health Protection of Consumers and Veterinary Medicine (Germany)
BMFT	Ministry of Research and Technology (Germany)
BSS	Balanced Saline Solution
b.w.	Body weight
CAS	Chemical Abstract Service
CHO	Chinese hamster ovary cell line (epithelial)
CFR	Code of Federal Regulations
CMF-HBSS	Calcium/Magnesium-Free Hanks' Balanced Salt (Saline) Solution
COLIPA	The European Cosmetic, Toiletry and Perfumery Industry
CS	Calf serum (bovine)
CTFA	The Cosmetic, Toiletry, and Fragrance Association (USA)
CTLU	Cytotoxicology Laboratory, Uppsala
DMEM	Dulbecco's Modification of Eagle's Medium without L-Glutamine
DMSO	Dimethyl Sulfoxide
ECACC	European Collection of Cell Cultures
EC/HO	European Commission/British Home Office
ECVAM	European Centre for the Validation of Alternative Methods
EDTA	Ethylenediaminetetraacetic Acid
EPA	Environmental Protection Agency
ETOH	Ethanol
EZ4U	Non-radioactive cell proliferation and cytotoxicity assay (Biomedica Gruppe)
FBS	Fetal Bovine Serum
FDP	Fixed-Dose Procedure
F _G	Empirical linear-shaped prediction interval
FL	Fluorescein Leakage
FRAME	Fund for the Replacement of Animals in Medical Experiments
GLP	Good Laboratory Practice Regulations
h	Hour(s)
HBSS	Hanks' Balanced Salt (Saline) Solution
HEL-30	Murine keratinocyte cell line
Hepa-1	Mouse hepatoma cell line (epithelial)
HEPES	N-2-Hydroxyethylpiperazine-N'-2-ethanesulfonic acid
HET-CAM	Hen's Egg Test-Chorioallantoic Membrane
HTD	Highest tolerated dose
IC50	Inhibitory concentration estimated to affect endpoint in question by 50%
ICCVAM	Interagency Coordinating Committee on the Validation of Alternative Methods
ICH	International Congress for Harmonization
IIVS	Institute for In Vitro Sciences
INVITTOX	ECVAM database
ISO 5725	A program for analysis and reporting of proficiency tests and method evaluation studies

ISO	International Standards Organization
KB	Kenacid Blue
KGM	Keratinocyte Growth Medium
L929	Mouse fibrosarcoma cell line (fibroblast)
LD50	Dose producing lethality in 50% of the animals
LDH	Lactate Dehydrogenase
MDCK	Madin Darby canine kidney cells
MEIC	Multicentre Evaluation of In Vitro Cytotoxicity
MEMO	MEIC Monographs, CTLU
MIT-24	Metabolic Inhibition Test
MSDS	Material Safety Data Sheet
MTS	3-(4,5-Dimethylthiazol-2-yl)-5-(3-carboxymethoxyphenyl)-2-(4-sulfophenyl)-2H-tetrazolium
MTT	3-(4,5-Dimethylthiazol-2-yl)-2,5-diphenyl tetrazolium bromide
NBCS	New-born Calf Serum (bovine)
NICEATM	NTP Interagency Center for the Evaluation of Alternative Toxicological Methods
NIEHS	National Institute of Environmental Health Sciences/NIH
NIH	National Institutes of Health/DHHS
NIOSH	National Institute for Occupational Safety and Health
NHEK	Normal Human Epidermal Keratinocytes
NHK	Normal Human Keratinocytes
NR	Neutral Red dye
NR50	Mean concentration of test substance reducing viability of cells to 50% of the viability of controls
NRU50	The concentration of the test article which inhibits the uptake of neutral red by 50%
NRR	Neutral Red Release
NRU	Neutral Red Uptake
NTP	National Toxicology Program
OD ₅₄₀	Optical density at 540nm
OECD	Organization for Economic Cooperation and Development
PBS	Phosphate Buffered Saline
PC	Positive Control
PHOTO-32	Software for concentration response analysis from 96-well plates
PT	Phototoxicity Test
RC	Registry of Cytotoxicity/ZEBET
RTECS	Registry of Toxic Effects of Chemical Substances
SIS	ECVAM Scientific Information System
SLS	Sodium Lauryl Sulfate
SOP	Standard Operating Procedures
TG 420	Test Guideline 420 (Acute Oral Toxicity - Fixed Dose Method) [OECD]
TG 423	Test Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method) [OECD]
TG 425	Test Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure) [OECD]

TNS	Trypsin Neutralizing Solution
UDP	Up-and-Down Procedure
V79	Chinese hamster lung fibroblast cell line
VC	Vehicle Control
XTT	Sodium 3,3'-{1-[(phenylamino)carbonyl]-3,4-tetrazolium}-bis(4-methoxy-6-nitro)benzene sulfonic acid hydrate
ZEBET	German Centre for the Documentation and Validation of Alternative Methods (at BgVV)
3Rs	Refinement, Reduction, and Replacement (of Animal Use)
3T3	BALB/c mouse fibroblast cells
3T3 A31	BALB/c mouse fibroblast cells – clone A31

