

List of Acronyms/Abbreviations

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| 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 |
| INVIOTOX | ECVAM database |
| ISO 5725 | A program for analysis and reporting of proficiency tests and method evaluation studies |

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| 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] |

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| 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 |

