

ANNEX 1. SUPPLEMENTAL MATERIAL FOR TOXCAST/TOX21

This supplemental material (which is available online from <http://publications.iarc.fr/549>), contains a [spreadsheet](#) (.xlsx) and a zip folder containing several [ToxPi software output files](#) (.csv) analysed by the Working Group for Volume 112 of the *IARC Monographs*. The spreadsheet lists the ToxCast/Tox21 assay end-points, the associated target and/or model system (e.g. cell type, species, detection technology, etc.), their mapping to 7 of the 10 “key characteristics” of known human carcinogens, and the decision as to whether each chemical was “active” or “inactive” ([EPA, 2015](#)). The ToxPi files integrate the results by “key characteristic” and can be accessed using ToxPi software that is freely available for download without a licence ([Reif et al., 2013](#)).

References

- EPA (2015). ToxCast & Tox21 Summary Files from invitrodb_v1. Washington (DC): Office of Research and Development. United States Environmental Protection Agency. Retrieved from <http://www2.epa.gov/chemical-research/toxicity-forecaster-toxcasttm-data> on 30 November 2015. Data released December 2014.
- Reif DM, Sypa M, Lock EF, Wright FA, Wilson A, Cathey T et al. (2013). ToxPi GUI: an interactive visualization tool for transparent integration of data from diverse sources of evidence. *Bioinformatics*, 29(3):402–3. doi:[10.1093/bioinformatics/bts686](https://doi.org/10.1093/bioinformatics/bts686) PMID:[23202747](https://pubmed.ncbi.nlm.nih.gov/23202747/)