

Technical Demo #5

Endocrine Disruptor Knowledge Base (EDKB) Database and Software

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Data relevant to endocrine disruption comes from assays and tests that have been performed for several decades by different procedures in many labs. These experimental results are scattered throughout the literature, making it difficult for researchers to find, compare and evaluate them. The EDKB database seeks to remedy this situation by bringing together in one easily accessible location experimental data relevant to estrogenic or endocrine disrupting chemicals. Currently, the database contains over 2,000 chemicals with various in vitro and vivo assay data. The data can be accessed through the EDKB web-based software. User can search the database by assay type, chemical structure and Medline-like reference query. The queried results are summarized into three comprehensive formats: a short summary, a spreadsheet-like form and visualization.