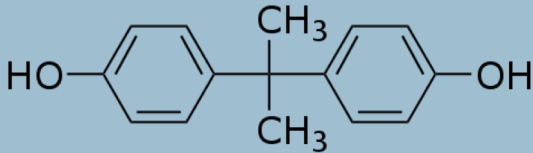


BPA risk assessment: short term exposure



This dataset provides an example of transcriptomic data after exposure to a pure chemical, typical of the experimental design for a chemical risk assessment. Bisphenol A (BPA) was selected because it is a model endocrine disrupting chemical with complex exposure-response behavior.

Dataset overview

Organism: Fathead minnow (*Pimephales promelas*)

Tissue: Ovary

Exposure conditions: Doses of BPA (control, 0.01, 0.1, 1.0, 10, 100 ug/L)

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Details on experimental design

Fathead minnows were exposed under continual flow for 96 hours in tanks. Each tank contained 3 males and 3 females, and there were 3 replicate tanks per condition. After 96 hours, RNA samples were collected from ovarian tissue in the female fish and assessed with Agilent microarrays (GPL9248). Each microarray profile represents ovarian RNA samples from an individual fish. See the citation listed above for further details.