

Development of screening tests for endocrine-disrupting chemicals

August 23 2017

A new article published in *Environmental Toxicology and Chemistry* looks under the hood of how U.S. Environmental Protection Agency (EPA) scientists develop and validate testing methods that support regulatory decisions.

The work focuses on how the EPA developed tests to assist in the prioritization and risk assessment of endocrine disrupting chemicals. The Endocrine Disruptor Screening Program uses a tiered testing strategy to determine the potential of pesticides, commercial chemicals, and environmental contaminants to disrupt the endocrine system, specifically in relation to estrogen, androgen, and [thyroid hormones](#).

"The finalized test method is a product of several years of productive collaboration between EPA scientists and our colleagues at the Ministry of the Environment in Japan," said Kevin Flynn, lead author of the article.

More information: Laurent Héritier et al. Oxidative stress induced by glyphosate-based herbicide on freshwater turtles, *Environmental Toxicology and Chemistry* (2017). [DOI: 10.1002/etc.3916](https://doi.org/10.1002/etc.3916)

Provided by Wiley

Citation: Development of screening tests for endocrine-disrupting chemicals (2017, August 23)

retrieved 19 January 2023 from <https://medicalxpress.com/news/2017-08-screening-endocrine-disrupting-chemicals.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.