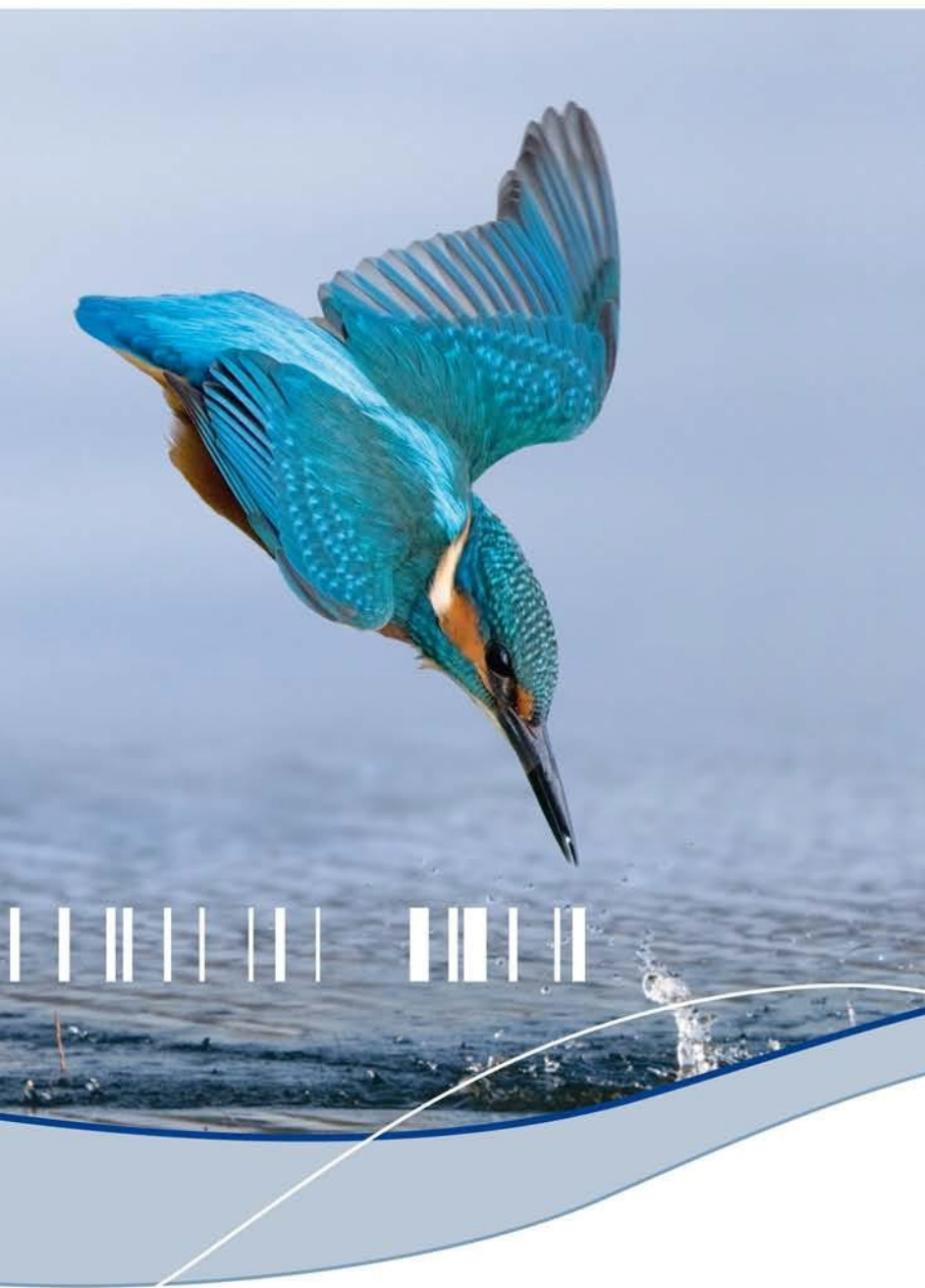


Product Safety Labs

over 40 years of service



ENDOCRINE DISRUPTOR SERVICES

Helping you fulfill the requirements of the EDSP Tier 1 Screening Order (EPA) and anticipated EU needs for pesticides

'We've got it covered'

Product Safety Labs

over 40 years of service

PRODUCT SAFETY LABS ENDOCRINE DISRUPTOR SERVICES

We are a leading provider of product development consultancy and technical support to the crop protection industry. Our technical activities involve conducting field and laboratory studies to determine the safety and efficacy of new agrochemicals and crop varieties. With over 40 years of experience, Product Safety Labs offers outstanding technical knowledge and project management skills. The Group has created a unique portfolio of expertise that provides analytical, regulatory and field support to plant breeders, agrochemical, biopesticide, biocide and fine chemical manufacturers.

THE ENDOCRINE DISRUPTOR ISSUE

Following the EPA announcement regarding the official initiation of Tier 1 testing for the first group of 67 pesticide compounds, Eurofins can partner with you to help fulfil the necessary data submission requirements.

The effects of certain compounds which inhibit the actions of naturally occurring hormones have become a central point of focus for the scientific community and an area of concern for the wider public. These compounds, 'Endocrine Disruptors' and the study of their effects have become an EPA priority.

Globally, endocrine disruptors are an area of concern being tackled by authorities all over the world - discussions are taking place to establish the policies that will regulate the future of ED testing.

In response to this Product Safety Labs has prioritized Endocrine Disruptor Screening and can offer the full battery of Tier 1 assays as described by the EPA.

PRODUCT SAFETY LABS (PSL)

- Has provided research and testing services since 1972. PSL offers a broad range of services including toxicology, analytical and bioanalytical chemistry and pharmacology.

SERVICE PORTFOLIO

We can offer the full Tier 1 battery of services:

In vitro

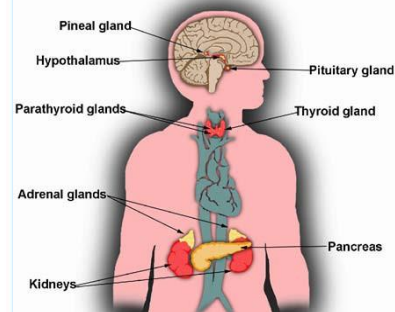
- Estrogen receptor (ER) binding – rat uterine cytosol
- Estrogen receptor - (hER α) transcriptional activation - Human cell line (HeLa-9903)
- Androgen receptor (AR) binding – rat prostate cytosol
- Steroidogenesis – Human cell line (H295R)
- Aromatase – Human recombinant microsomes

In vivo

- Uterotrophic (rat)
- Hershberger (rat)
- Pubertal female (rat)
- Pubertal male (rat)
- Amphibian metamorphosis (frog)
- Fish short-term reproduction

PSL is also poised to support Tier 2 testing to confirm and characterize the endocrine effects.

The Endocrine System



An endocrine disruptor is a synthetic chemical that, when absorbed into the body, mimics or blocks hormones and disrupts the body's normal functions



Endocrine disruptors can cause adverse health effects in an intact organism or its progeny or its (sub) populations. EU Commission 2007



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