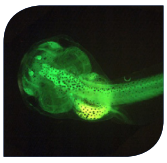
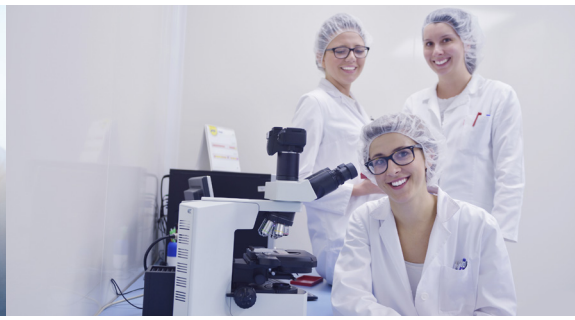
eurofins | Expertises Environnementales





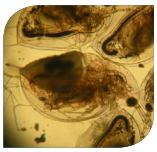

Environmental Impact

Ecotoxicology

Eurofins Expertises Environnementales is able to propose a wide panel of tests in the field of ecotoxicology in order to study the impact of pollutants and derivatives, on living organisms in various ecosystems.

A global offer

Freshwater organisms

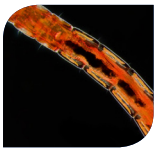


- Acute toxicity
- Microcrustaceans (*Daphnia magna* NF EN ISO 6341, …)
- Fish (*Brachydanio rerio* NF EN ISO 7346 and NF EN ISO 15088)
- Bacteria (Microtox® Test *Vibrio fischeri* - NF EN ISO 11348-3, nitrification NF EN ISO 9509, activated sludge respiration inhibition test OCDE 209/ NF EN ISO 8192...)
- Duckweed (*Lemna minor*) NF EN ISO 20079
- Chronic toxicity
- Algae (NF EN ISO 8692)
- Microcrustaceans (*Daphnia magna* : NF T90-378 ; *Ceriodaphnia dubia*: NF ISO 20665)
- Rotifera (*Brachionus calyciflorus* : NF ISO 20666)

Marine organisms

- Algae (*Phaeodactylum tricornutum* NF EN ISO 10253)
- Marine Copepods (*Acartia tonsa* FD ISO 14669)
- Crustaceans (*Artemia salina* , adapted from FD ISO 14669)
- Benthic crustaceans (Amphipods : *Corophium sp.* NF EN ISO 16712)
- Fish larvae (*Dicentrarchus labrax* OCDE 203)
- Bivalve embryotoxicity test (*Crassostrea gigas* ou *Mytilus sp* – NF ISO 17244).
- Urchin embryotoxicity test (*Paracentrotus lividus* – adapted from EPA 1008 *Purple Urchin*)
- Corals : Bleaching and polyp retraction (*Seriatopora hystrix* – Internal method)

Benthic organisms



- Chironomus (*Chironomus riparius* - NFT 90-339-1)
- Ostracods (*Heterocypris incongruens* - NF ISO 14371)

Terrestrial organisms

Acute and chronic tests : Plants (NF EN ISO 11269-2) / Earthworms (NF EN ISO 11268-1, -2, NF ISO 17512-1)

Biodegradability

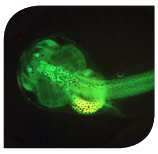
The knowledge of the evolution of the sample is given by the chemical and/or ecotoxicological monitoring of samples placed in different conditions of degradation (OECD 301A, 301B, 301D, 301F, 302B). These studies are used, for example, in the evaluation of treatment of effluents or remediation activities, but also to analyze the degradation of pure substances.

Our strengths

Eurofins Expertises Environnementales is organized in competence centers laboratories in France and Europe to propose to its customers a complete technical high-level range of analyzes.

Our laboratories lean on qualified experts able to intervene on cross-functional themes, on innovative material, and on strong investment policy.





A recognized know-how

- **ADEME** Characterization of ecotoxicity of waste and polluted soil. Assessment of the ecotoxicological risks associated with land application of waste in agriculture (VADETOX). Development of a method for selection of biological toxicity and genotoxicity tests adapted to different scenarios. Study of organic pollutants transfer in vegetable plants (SACARTOM).
- **European Union** - Coordinator of the program “Ecomosart” concerning the Environment and Climate Program.
- **Accreditations Certified laboratory**, accreditation n°1-5375, 1-1488 ,1-2259, list of accredited sites on www.cofrac.fr

- **Industrial** - HP14 criterium which defines the dangerousness of a waste towards the environment (MEDDTL). Approach to health risks by study of the transfer of the contamination and toxicity of pollutants from the Erika by food way. Chemical and ecotoxicological industrial and urban effluents and sludge of wastewater treatment plants. Ericor program: risk assessment of pesticides for coral reefs of La Réunion.
- **Department of the Environment and the Wildlife in Quebec**. Cooperation work in the field of the analysis of the risks associated with contaminated soils and sites.
- **Standardization Committee T95E** Terrestrial and aquatic ecotoxicology.
- **Approval of the MEDDTL** for the analysis of water and current sediment (available on request authorization).

Eurofins Expertises Environnementales laboratories network

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