



BIOSURVEILLANCE OF WATER

WATER IS A PRECIOUS AND LIMITED TREASURE
WHICH SHOULD BE PRESERVED



L A B O R A T O I R E
WATCHFROG

Tests and evaluates **the endocrine disrupting effects of micropollutants** and helps you **to complement your physicochemical analyses.**

What is the regulatory situation?

DIRECTIVE 2000/60/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 23 OCTOBER 2000 ESTABLISHING A FRAMEWORK FOR COMMUNITY ACTION IN THE FIELD OF WATER POLICY

The directive adopted by the Council and the European Parliament on the 23 October 2000 defines a framework for the management and protection of water by river catchment basin across Europe.

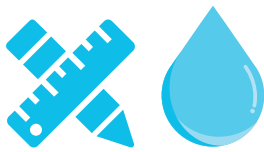


OBJECTIVE



Good ecological condition
of water bodies

STANDARDISED BIOLOGICAL TEST FOR WATER QUALITY



**French (Afnor)
standard XP- T90-716-1
Published in September 2015**

Water quality - *In vivo* fluorescence measurement of endocrine disrupting effects of natural and waste water - Part 1: measure of the effects on the thyroid axis of amphibian embryos (*Xenopus laevis*).

**French (Afnor)
standard XP- T90-716-2
Published in September 2015**

Water quality - *In vivo* fluorescence measurement of endocrine disrupting effects of natural and waste water - Part 2: measure of the effects on the estrogen axis and the activity of the enzyme aromatase of fish embryos (*Oryzias latipes*).

RANGE OF TESTS PERFORMED

TESTS

TEST REFERENCE

BIOMARKER EXPRESSION



ESTROGENIC

**AFNOR
XP T90-716-2**



Fluorescence
in the **liver**



THYROID

**AFNOR
XP T90-716-1**



Fluorescence
in the **brain** and gills



ANDROGENIC

**SIMILIAR PROTOCOL
TO XP T90-716-2**



Fluorescence
in the **kidneys**