



## Arsenic dosage kit

Materials, Processes, Chemistry

### An innovation that brings to you...

- ✓ **High sensitivity** (between 5-30 µg/L)
- ✓ **Several tests can be performed simultaneously**
- ✓ **An ecological product** : no toxic waste generated
- ✓ **A specific test** : no interference with phosphate
- ✓ **Easy to perform**, no expertise needed
- ✓ **Economic**



### How does it work?

Inspired from the ELISA (Enzyme Linked Immuno Sorbent Assay) dosage method, **this kit allows the detection and dosage of arsenic in water with a high precision.** This method answers a real demand from developing countries, where water tables are often facing an arsenic contamination problem.

With its ecological characteristics, the test respects the environment and does not use any toxic material in its operating principle. Moreover, its ergonomics enables its usage in a laboratory or on the field, by simple reading of results with naked eyes, making it very economical.

### What is it for?

- ✓ Arsenic dosage in a laboratory or in situ

### Innovation availability...

- ✓ French patent deposited on the 29/05/2013
- ✓ Collaboration sought: License at a diagnostic kit manufacturer
- ✓ Readiness level: Kit validated at the laboratory scale

### A laboratory to accompany you...

This innovation was conceived at the **Laboratoire d'Ingénierie des Biomolécules (LIBio)** of the University of Lorraine. The LIBio is a pluridisciplinary laboratory combining Biochemistry, Physics-Chemistry and Microbiology. It **maintains partnerships with several industrial groups**, such as Nestlé, Danone or Dior.

Your Contact :

**Ludovic GOBY**

Development officer, Materials, Processes, Chemistry

Tel : 03 80 40 34 97 — 06 43 65 51 20

Mail : ludovic.goby@sattge.fr

