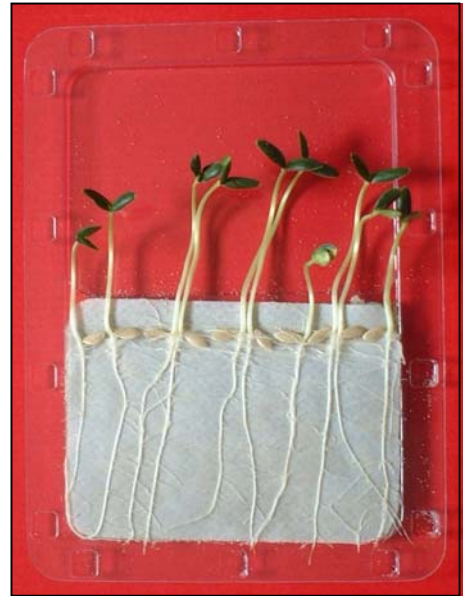


# PHYTOTOXKIT

## *MICROBIOTESTS*

**Seed germination and  
early growth tests with  
higher plants**



**Rapid and user-friendly  
phytotoxicity tests  
with direct length measurements  
by image analysis**



Each Phytotoxkit contains all the materials to perform a complete test with one monocotyl and two dicotyl plant species, in 3 replicates

# PHYTOTOXKIT

## *3 days microbiotest for phytotoxicity screening of soils, sludges, sediments, composts, effluents for irrigation, chemicals and biocides*

*Each PHYTOTOXKIT contains all the materials necessary to perform one complete phytotoxicity test with one monocotyl and two dicotyl plant species, in 3 replicates. The assays are performed in special transparent test containers which allow for direct observations and length measurements by image analysis at the end of the test. Easy to follow instructions and detailed illustrations are provided in the kits for the conduct of the very practical assays. Calibrated high quality seeds of the 3 selected test plants are included in the kits for the germination and early growth tests.*

### ***Test species***

- In accordance with conventional phytotoxicity assays the selected plant species encompass monocotyls as well as dicotyls.
- The plants selected for the Phytotoxkit microbiotest are : the monocotyl *Sorghum saccharatum* (Sorgho) and the dicotyls *Lepidium sativum* (garden cress) and *Sinapis alba* (mustard).
- The 3 former test species are frequently used in phytotoxicity analyses and have been selected for the Phytotoxkit microbiotest because of their very rapid germination and growth of roots and shoots, which allow observations and scoring after only 3 days.

### ***Test criterion***

- Germination of the seeds and root (and wherever appropriate also shoot) growth of the 3 selected plant species on exposure to