



# GPMT kit

## *GMO Plants Modular Training kit*

### A Complete Teaching Support TP + TD

**Context:** This kit allows an opening towards the **GMO detection** techniques used in the laboratories of the control organisms.

The *CP4 EPSPS* gene is a gene used by some industrialists to produce genetically modified plant seeds (GMO). Once injected into plants, this gene can neutralize the phytotoxic effects of the weed killer.

**Proposal:** The GPMT kit EMOP enables to reveal the presence of OGM in soybeans using molecular biology techniques.



### This kit enables:

- Extraction, purification and amplification of nucleic acids by PCR
- Analysis of nucleic fragments by electrophoresis
- Gene detection by membrane hybridization
- Search of nucleic sequences in a database

### Kit components for 24 tests

- 24 ready-to-use membranes
- 1 microplate of 24 wells
- 24 PCR tubes
- Clamp
- User's manual
- Positive and negative DNA samples (plasmids)
- Optional: Real-Time PCR module

### For courses in Biology

**BTS Biology, IUT Biological Engineering, Biotechnology School, Engineering Schools**