

GeNei™ GMO Detection Teaching-Kit (Simulation Study)

Description:

Genetically modified foods (GM foods or GMF) offer a way to quickly improve crop characteristics such as yield, pest resistance. Herbicide tolerance, often to a degree not possible with traditional methods. The appearance of genetically modified foods in the market has resulted in a fire storm of public debate, scientific discussion, and media coverage, basically because it raises the concerns of human health, environmental, and economic problems, including unanticipated allergic responses to novel substances in foods. So it becomes inevitable to label the foods and food products

The Genetically Modified Organism Detection Teaching Kit is a simulation study which enables the user to simultaneously amplify more than one locus, in the same PCR reaction, representing a foreign DNA segment (Promoter, Gene, Marker or Terminator) in a GMO i.e. use multiplex PCR as a convenient and rapid screening assay for non-GMO and GMO sample.

The kit contains reagents enough for 5 reactions

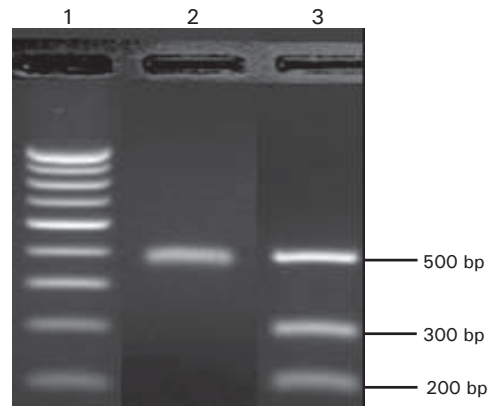
Ordering Information:

Product	Size	Cat #
GeNei™ GMO Detection Teaching Kit (Simulation Study) (Consumables for 5 experiments)	1 Pack	107790

Note: UV transilluminator, thermal cyclers and EtBr are required.

Materials Provided:

- Taq DNA polymerase
- 10X Assay Buffer
- dNTP Mix
- Template DNA
- Control DNA
- Primer Set #1
- Primer Set #2
- Primer Set #3
- Nuclease free water
- 100 bp DNA Ladder (Ready to use)
- Gel loading buffer
- Agarose
- Mineral oil
- 50X TAE
- PCR vials
- Instruction Manual



Lane 1 : 100 bp DNA ladder
 Lane 2 : Control DNA
 Lane 3 : GMO DNA

The GMO DNA shows 3 bands and the control DNA has just one band at 500 bp (Lane 2)