

Lab Preparation Checklist

Kit contains sufficient materials for 8 student workstations (2–4 students per workstation)

Bio-Rad certified non-GMO food control	1
InstaGene matrix, 20 ml	1
GMO positive control DNA, 500 µl	1
PCR master mix (<i>Taq</i> DNA polymerase, dNTPs, buffers), 1.2 ml	1
GMO primers (red), 15 µl	1
Plant PSII primers (green), 15 µl	1
PCR molecular weight ruler, 200 µl	1
Orange G loading dye, 1 ml	1
Disposable plastic transfer pipets	20
Micro test tubes, 1.5 ml	60
Screwcap tubes, 1.5 ml	50
PCR tubes, 0.2 ml	50
Capless PCR tube adaptors, 1.5 ml	50
Foam micro test tube holders	8
Curriculum, including Teacher's Guide, Student Manual, and graphic Quick Guide	1

Required Accessories Not Included in Kit:

Obtain food samples locally	
Horizontal gel electrophoresis chambers	4–8
Adjustable micropipets	
2–20 µl	1–8
20–200 µl	1
Pipet tips, aerosol barrier	
2–20 µl, Xcluda B	1 box
20–200 µl, Xcluda D	1 box
Water bath	1
Microcentrifuges	1–4
Thermal cycler	1
Power supplies	2–4
Mortars and pestles	1–8
Balance with range 0.5–2 g	1
Weigh boats or paper	16

Recommended (Optional) Accessories:

Rocking platform
Microwave oven