

Lab Preparation Checklist

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

DNA size standard (HindIII lambda DNA digest), 100 µl	1
DNA samples, lyophilized, 60 µg each	
Crime scene sample	1
Suspect samples	5
EcoRI/PstI restriction enzyme mix, lyophilized, 3,000 units	1
Sample loading buffer, 5x, 1 ml	1
Electrophoresis buffer, 50x TAE, 100 ml	1
Sterile water, 2.5 ml	1
Agarose powder, 5 g	1
Fast Blast™ DNA stain, 500x, 100 ml	1
Colored microcentrifuge tubes, 2.0 ml	60
Microcentrifuge tubes, 1.5 ml	30
Foam floats	8
Curriculum including Teacher's Guide, Student Manual, and graphic Quick Guide	1
Required Accessories Not Included in Kit:	
Horizontal gel electrophoresis chambers	4–8
Gel staining trays	4–8
Adjustable micropipets	
2–20 µl	1–8
20–200 µl	1
100–1,000 µl	1
Pipet tips	
2–200 µl, BR-35	1 bag
100–1,000 µl, BR-40	1 bag
Power supplies	2–4
Recommended (Optional) Accessories:	
Water bath or dry bath	
Mini centrifuge	
Rocking platform	
Gel support film	
Microwave oven	
Gel documentation system	