

Lab Preparation Checklist

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

Crime scene DNA sample, 250 μ l	1
Suspect A DNA sample, 250 μ l	1
Suspect B DNA sample, 250 μ l	1
Suspect C DNA sample, 250 μ l	1
Suspect D DNA sample, 250 μ l	1
PCR master mix (<i>Taq</i> DNA polymerase, dNTPs, buffer)	1.2 ml
Primers (blue), 25 μ l	1
Allele ladder, 200 μ l	1
Orange G loading dye, 1 ml	1
PCR tubes, 0.2 ml	50
Capless PCR tube adaptors, 1.5 ml	50
Colored micro test tubes, 2.0 ml	72
Foam micro test tube holders	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
Adjustable micropipets	
2–20 μ l	1–8
20–200 μ l	1
Pipet tips, aerosol barrier	
2–20 μ l Xcluda B	1 box
20–200 μ l, Xcluda D	1 box
Microcentrifuges	1–4
Thermal cycler	1
Power supplies	2–4

Recommended (Optional) Accessories:

Rocking platform
Microwave oven