VEROGEN

ForenSeq DNA Signature Prep

For Research, Forensic, or Paternity Use Only

Consumables and Equipment

Consumables

Consumable	Supplier
1.5 ml microcentrifuge tubes	General lab supplier
1.7 ml microcentrifuge tubes	General lab supplier
15 ml conical tube	General lab supplier
20 µl barrier pipette tips	General lab supplier
200 µl barrier pipette tips	General lab supplier
96-well 0.3 ml semiskirted PCR plates	Eppendorf Twin-Tec, part # 951020303 or VWR, part # 89136-706
96-well storage plates, round well, 0.8 ml ('midi' plate)	Fisher Scientific, part # AB-0859
Ethanol 200 proof (absolute) for molecular biology (500 ml)	Sigma-Aldrich, part # E7023
MiSeq disposable wash tube	Verogen, part # MS-102-9999
Microseal 'A' film	Bio-Rad, part # MSA-5001
Microseal 'B' adhesive seals	Bio-Rad, part # MSB-1001
Nuclease-free water	General lab supplier
PCR tube storage rack (If using an FTA card as input material)	VWR, part # 80086-074
If using crude lysates as input material, select one: • QuickExtract DNA Extraction Solution • SwabSolution Kit	 • Epicentre, catalog # QE09050 • Promega, catalog # DC8271
RNase/DNase-free eight-tube strips and caps	General lab supplier
RNase/DNase-free multichannel reagent reservoirs, disposable	Labcor, part # 730-001
Sodium Hypochlorite	General lab supplier
Tween 20	Sigma-Aldrich, part # P7949

Kit Contents

Kit Name	Catalog #
ForenSeq DNA Signature Prep Kit, 384 reactions	TG-450-1001
ForenSeq DNA Signature Prep Kit, 96 reactions	TG-450-1002
MiSeq FGx Reagent Kit, 380 Cycles	TG-143-1001
MiSeq FGx Reagent Micro Kit, 380 Cycles	TG-143-1002

Equipment

Equipment	Supplier/Description	Pre-PCR	Post-PCR
Basic lab equipment: safety glasses, lab coats, powder-free protective gloves	General lab supplier	X	X
1.5 ml tube benchtop cooler	VWR, catalog # 414004-286		X
Benchtop microcentrifuge	General lab supplier	X	X
ForenSeq Index Plate Fixture	Verogen, catalog # FC-451-1001		X
Magnetic stand-96	Life Technologies, part # AM10027		X
Microplate centrifuge	General lab supplier	X	X
Multichannel pipette 8 channel p20	General lab supplier		X
Multichannel pipette 8 channel p200	General lab supplier		X
1.5 ml 96-well heating system	General lab supplier		X
High-speed thermal mixers; select one: • BioShake iQ • BioShake XP	Q instruments, catalog #: • 1808-0506 • 1808-0505		X
Vortexer	General lab supplier	X	X

Thermal Cyclers

Thermal Cycler	Temp Mode	Lid Temp	Vessel Type	Ramp Mode
ABI LTI thermal cycler 9700 (gold block only)	9600 emulation	Heated	Polypropylene plates and tubes	8%
Bio-Rad	Calculated	Heated, Constant at 100°C	Polypropylene plates and tubes	0.2°C per second
Eppendorf Mastercycler Pro S	Gradient S, Simulated Tube	Heated	Plate	2%
Veriti 96-well thermal cycler	Standard	Heated, Constant at 105°C	Polypropylene plates and tubes	4%
Proflex 96-well PCR System	—	Heated, Constant at 105°C	Polypropylene plates and tubes	0.2°C per second