ForenSeq MainstAY Kit Materials List

VEROGEN

For Research, Forensic, or Paternity Use Only

Library Prep Kit

Kit Name	Part #
ForenSeq MainstAY Kit (96 Reactions)	V16000142
ForenSeq MainstAY Kit (384 Reactions)	V16000128

Consumables

Consumable	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 deep well storage plates (midi plates)	Fisher Scientific, part # AB-0859
96-well twin.tec PCR plates, semiskirted	One of the following suppliers: • Eppendorf, catalog # 951020303 • VWR, catalog # 89136-706
96-well twin.tec PCR plate, skirted, 150 µl	Eppendorf, catalog # 951020401
Ethyl alcohol, pure	Sigma-Aldrich, catalog # E7023
Microseal 'A' sealing film	Bio-Rad, catalog # MSA5001
Microseal 'B' sealing film, adhesive, optical	Bio-Rad, catalog # MSB1001
One of the following kits: • MiSeq FGx Reagent Kit • MiSeq FGx Reagent Micro Kit	Verogen part #: • 15066817 • 20021681
Multichannel reagent reservoirs, PVC, disposable	Labcor, part # 730-001
Nuclease-free water	General lab supplier
RNase/DNase-free 8-tube strips and caps	General lab supplier
[Crude lysate] One of the following kits: • QuickExtract DNA Extraction Solution • SwabSolution Kit	The corresponding supplier: • Epicentre, catalog # QE09050 • Promega, catalog # DC8271
[FTA card] 1X TBE Buffer	General lab supplier
[FTA card] PCR Tube Storage Racks	VWR, catalog # 80086-074

Equipment

Equipment	Supplier	Pre-PCR	Post-PCR
20 µl pipettes	General lab supplier	X	X
200 µl pipettes	General lab supplier	X	X
1000 µl pipettes	General lab supplier	X	X
20 µl multichannel pipettes (8-channel)	General lab supplier	X	X
200 µl multichannel pipettes (8-channel)	General lab supplier		X
Benchtop microcentrifuge	General lab supplier	X	X
ForenSeq Index Plate Fixture	Verogen, part # 15055269		X
Heating system, 96-well, 1.5 ml	General lab supplier		X
Magnetic stand-96	Life Technologies, part # AM10027		X
Microplate centrifuge	General lab supplier	X	X
Thermal cycler, 96-well with heated lid	See *Thermal Cyclers*		X
Thermoshaker, one of the following: • BioShake iQ • BioShake XP	QInstruments, item #: • 1808-0506 • 1808-0505		X
Rubber roller	General lab supplier	X	X
Vortexer	General lab supplier	X	X
[Optional] 10 µl pipettes	General lab supplier	X	X

Thermal Cyclers

Thermal Cycler	Temperature Mode	Lid Temperature	Vessel Type
ABI LTI thermal cycler 9700*	9600 emulation	Heated	Polypropylene plates and tubes
Bio-Rad	Calculated	Heated, constant at 100°C	Polypropylene plates and tubes
Eppendorf Mastercycler Pro S	Gradient S, Simulated Tube	Heated	Plate
Proflex 96-well PCR System	Not applicable	Heated, constant at 105°C	Polypropylene plates and tubes
Veriti 96-well thermal cycler	Standard	Heated, constant at 105°C	Polypropylene plates and tubes

* Only gold heat blocks are supported.