VEROGEN

ForenSeq mtDNA Whole Genome Kit Materials

For Research, Forensic, or Paternity Use Only

Library Prep Kit

Kit Name	Verogen Part #
ForenSeq mtDNA Whole Genome Kit (48 reactions)	V16000086

Consumables

Consumable	Supplier
1.7 ml microcentrifuge tubes	General lab supplier
15 ml conical tubes	General lab supplier
20 µl barrier pipette tips	General lab supplier
200 µl barrier pipette tips	General lab supplier
50 ml PVC reservoirs	VWR, catalog # 89094-688
96-well deepwell storage plates, 0.8 ml (midi plate)	Fisher Scientific, catalog # AB-0859
96-well twin.tec PCR Plate, semi-skirted, 250 µl	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, 200 proof for molecular biology, 500 ml (absolute alcohol)	MilliporeSigma, product # E7023
Microseal 'A' sealing film	Bio-Rad, catalog # MSA5001
Microseal 'B' sealing film, adhesive, optical	Bio-Rad, catalog # MSB1001
MiSeq FGx Reagent Kit	Verogen, part # 15066817
Nuclease-free water	General lab supplier
RNase/DNase-free 8-tube strips and caps	General lab supplier
QuantiFluor ONE dsDNA System*	Promega, catalog # E4870 or E4871
[Optional] Index Adapter Replacement Caps	Verogen, part # 15026762

* Or equivalent fluormetric method, such as AccuCleer, PicoGreen, or Qubit.

Equipment

Equipment	Supplier	Pre-PCR	Post-PCR
20 µl multichannel pipettes (8-channel)	General lab supplier	X	X
200 µl multichannel pipette (8-channel)	General lab supplier		X
Benchtop microcentrifuge	General lab supplier	X	X
ForenSeq Index Plate Fixture	Verogen, part # 15055269		X
Magnetic stand-96	Life Technologies, catalog # AM10027		X
Microcentrifuge tube heat block	General lab supplier		X
Microplate centrifuge	General lab supplier	X	X

Equipment	Supplier	Pre-PCR	Post-PCR
Thermal cycler, 96-well with heated lid	See *Thermal Cyclers*		X
Thermoshaker, BioShake iQ or BioShake XP	QInstruments, item # 1808-0506 or 1808-0505		X
Quantus Fluorometer	Promega, catalog # E6150	X	X*
Vortexer	General lab supplier	X	X

* For normalization using the manual quantification method.

Thermal Cyclers

Thermal Cycler	Temperature Mode	Lid Temperature	Vessel Type
ABI LTI thermal cycler 9700[1]	9600 Emulation	Heated	Polypropylene plates and tubes
Bio-Rad	Calculated	Heated, constant at 100°C	Polypropylene plates and tubes
Eppendorf Mastercycler Pro S	Standard	Heated	Plate
Proflex 96-well PCR System	Not applicable	Heated, constant at 100°C	Polypropylene plates and tubes
Veriti 96-well thermal cycler[2]	Standard	Heated, constant at 100°C	Polypropylene plates and tubes

[1] Only the fast block (gold) is supported.
[2] Only the standard blocks is supported.