

# Verogen PrepStation for ForenSeq MainstAY with the Enhanced PCR1 Buffer System Materials List



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
ForenSeq MainstAY SE Kit (96 Reactions)	V16000183
ForenSeq Enhanced PCR1 Buffer System (96 Reactions)	V16000137

## Consumables

Consumable	Supplier
1.5 ml LoBind microcentrifuge tubes	VWR, catalog # 80077-230 or # 80077-232
15 ml conical tube	General lab supplier
20 µl barrier pipette tips	General lab supplier
200 µl barrier pipette tips	General lab supplier
20 µl filter tips	Opentrons (SKU: 999-00099)
200 µl filter tips	Opentrons (SKU: 999-00081)
96-well deep well storage plates (midi plates)	Fisher Scientific, part # AB-0765 (individually sealed)
96-well twin.tec PCR plates, semiskirted	One of the following suppliers: <ul style="list-style-type: none"><li>• Eppendorf, catalog # 951020303</li><li>• VWR, catalog # 89136-706</li></ul>
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
MiSeq FGx Reagent Micro Kit	Verogen part # 20021681
Multichannel reagent reservoirs, PVC, disposable	VWR, catalog # 89094-688
Nuclease-free water	General lab supplier
Reagent reservoirs	Corning, catalog # MTS-11-8-C-R-S
RNase/DNase-free 8-tube strips and caps	General lab supplier
Waste bags	Verogen, part # V16000208

## 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
Computer with PrepStation and Opentrons applications installed <sup>1</sup>	User-supplied; installation and setup supported by your Verogen FAS		X
Heating system, 96-well, 1.5 ml	General lab supplier		X
Magnetic module for PrepStation instrument <sup>2</sup>	Opentrons (SKU: 999-00098)		X
Metal PCR plate adapters <sup>2</sup>	Opentrons (SKU: 999-00028)		X
Microplate centrifuge	General lab supplier	X	X
P20 8-channel pipette arm (GEN2) <sup>2,3</sup>	Opentrons (SKU: 999-00005)		X
P300 8-channel pipette arm (GEN2) <sup>2,4</sup>	Opentrons (SKU: 999-00006)		X
PrepStation instrument	Verogen, part # V16000192		X
Rubber roller	General lab supplier	X	X
Thermal cycler, 96-well with heated lid	See <a href="#">Thermal Cyclers (below)</a>		X
Vortexer	General lab supplier	X	X
[Optional] 10 µl pipettes	General lab supplier	X	X

<sup>1</sup> The Opentrons application is supported on the following operating systems: Windows 10 or later, macOS 10.10 or later, Ubuntu 12.04 or later. Minimum hardware requirements: 64-bit processor, 512 MB of RAM, 300 MB of free hard drive space for installation.

<sup>2</sup> This item is included with your purchase of the PrepStation instrument (Verogen, part # V16000192), and does not need to be purchased separately. Replacement parts may be purchased from Opentrons as listed.

<sup>3</sup> Installed on left side of the PrepStation instrument.

<sup>4</sup> Installed on right side of the PrepStation instrument.

## 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



Thermal Cycler	Temperature Mode	Lid Temperature	Vessel Type
Eppendorf Mastercycler Pro S	Gradient S, Simulated Tube	Heated	Plate
QIAmplifier 96-well thermal cycler	Standard	Heated, constant at 100°C	Polypropylene plates
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.