

## Consumables and Equipment

Make sure that you have the requisite user-supplied consumables and equipment before starting the TruSeq Nano DNA Library Prep for NeoPrep protocol. The protocol has been optimized and validated using the items listed. Comparable performance is not guaranteed when using alternate consumables and equipment.

Use the pipettes and tips specified. Other pipettes and tips are not supported and can result in reagents not dispensing properly and run failure.

**Table 10** Required User-Supplied Pipettes and Tips

Consumable	Supplier
Pipet-Lite XLS+ 8-channel LTS, 2 $\mu$ l to 200 $\mu$ l	Rainin, catalog # L8-20XLS+
One of the following 20 $\mu$ l pipette tips: • LTS tips 20 $\mu$ l. Presterilized. Filter • ART Barrier Pipette Tips 20 $\mu$ l; 20 $\mu$ l SoftFit-L	• Rainin, catalog # RT-L10F • Fisher Scientific, catalog # 2749RI
Pipet-Lite XLS+ 8-channel LTS, 20 $\mu$ l to 200 $\mu$ l	Rainin, catalog # L8-200XLS+
One of the following 200 $\mu$ l pipette tips: • LTS tips 200 $\mu$ l. Presterilized. Filter • ART Barrier Pipette Tips 200 $\mu$ l; 200 $\mu$ l SoftFit-L	• Rainin, catalog # RT-L200F • Fisher Scientific, catalog # 2769RI

Table 11 User-Supplied Consumables

Consumable	Supplier
1.5 ml microcentrifuge tube	General lab supplier
20 $\mu$ l multichannel pipettes	General lab supplier
20 $\mu$ l single channel pipettes	General lab supplier
200 $\mu$ l multichannel pipettes	General lab supplier
200 $\mu$ l single channel pipettes	General lab supplier
1000 $\mu$ l barrier pipette tips	General lab supplier
1000 $\mu$ l single channel pipettes	General lab supplier
96-well 0.3 ml skirtless PCR plates, or Twin.tec 96-well PCR plates	E&K Scientific, part # 480096, or Eppendorf, part # 951020303
Microseal B' adhesive seals	Bio-Rad, part # MSB-1001
microTUBE-15 AFA Beads Screw-Cap (25)	Covaris, part # 520145
RNase/DNase-free multichannel reagent reservoirs, disposable	VWR, part # 89094-658
[Optional] Positive control DNA	Coriell Institute, part # NA 12878
[Optional - for starting material quality assessment] Fluorometric quantification with dsDNA binding dye reagents	General lab supplier
[Optional - for manual library quantification] One of the following: <ul style="list-style-type: none"><li>• Fluorometric quantification with dsDNA binding dye reagents</li><li>• KAPA Library Quantification Kit - Illumina/Universal</li></ul>	<ul style="list-style-type: none"><li>• General lab supplier</li><li>• KAPA Biosystems, part # KK4824</li></ul>
[Optional - for library quality control] One of the following: <ul style="list-style-type: none"><li>• Agilent DNA 7500 Kit</li><li>• Agilent High Sensitivity DNA Kit</li></ul>	<ul style="list-style-type: none"><li>Agilent, part #<ul style="list-style-type: none"><li>• 5067-1506</li><li>• 5067-4626</li></ul></li></ul>
[Optional - for manual normalization] 96-well storage plates, round well, 0.8 ml (midi plate)	Fisher Scientific, part # AB-0859
[Optional - for manual normalization] Tris-HCl 10 mM, pH 8.5 with 0.1% Tween 20	General lab supplier

**Table 12** User-Supplied Equipment

Equipment	Supplier
One of the following Covaris Focused-ultrasonicators: <ul style="list-style-type: none"><li>• S220</li><li>• E220</li><li>• M220</li></ul>	Covaris M220, part # 500295 For all other models, contact Covaris
One of the following, depending on your Covaris Focused-ultrasonicator: <ul style="list-style-type: none"><li>• M220 NGS microTUBE-15 Starter Kit</li><li>• S220 NGS microTUBE-15 Starter Kit</li><li>• E220 NGS microTUBE-15 Starter Kit</li></ul>	Covaris, part #: <ul style="list-style-type: none"><li>• 500417</li><li>• 500418</li><li>• 500419</li></ul>
NeoPrep Library Prep System	Illumina, catalog # SE-601-1001
Microplate centrifuge	General lab supplier
Vortexer or microplate shaker	General lab supplier
[Optional - for starting material quality assessment and manual library quantification] Fluorometer for quantification with dsDNA binding dyes	General lab supplier
[Optional - for manual library quantification] qPCR system	General lab supplier
[Optional - for library quality control] 2100 Bioanalyzer Desktop System	Agilent, part # G2940CA