

Consumables and Equipment

Check to make sure that you have all of the necessary user-supplied consumables and equipment before proceeding to the TruSeq DNA Sample Preparation protocol. The requirement of some supplies are dependent upon the protocol performed (LS or HS) and these items are specified in separate tables below.

Table 9 User-Supplied Consumables

Consumable	Supplier
10 μ l barrier pipette tips	General lab supplier
10 μ l multichannel pipettes	General lab supplier
10 μ l single channel pipettes	General lab supplier
1000 μ l barrier pipette tips	General lab supplier
1000 μ l multichannel pipettes	General lab supplier
1000 μ l single channel pipettes	General lab supplier
20 μ l barrier pipette tips	General lab supplier
20 μ l multichannel pipettes	General lab supplier
20 μ l single channel pipettes	General lab supplier
200 μ l barrier pipette tips	General lab supplier
200 μ l multichannel pipettes	General lab supplier
200 μ l single channel pipettes	General lab supplier
6X gel loading dye	BioLabs, catalog # B7021S
50 X TAE buffer	Bio-Rad, part # 161-0743

Consumable	Supplier
96-well storage plates, round well, 0.8 ml ("MIDI" plate)	Fisher Scientific, part # AB-0859
Agencourt AMPure XP 60 ml kit	Beckman Coulter Genomics, part # A63881
BenchTop 100 bp DNA ladder	Promega, part # G829B
Certified low-range ultra agarose	Bio-Rad, part # 161-3107
Clean scalpels	General lab supplier
MicroTube (6x16mm), AFA fiber with crimp-cap	Covaris, part # 520052
Distilled water	General lab supplier
Ethanol 200 proof (absolute) for molecular biology (500 ml)	Sigma Aldrich, part # E7023
Microseal 'B' adhesive seals	BioRad, part # MSB-1001
MinElute Gel Extraction Kit	QIAGEN, part# 28604
Paired-End Sample Prep Kit (Optional -for alternative fragmentation by nebulization only)	Illumina, 10 samples catalog # PE-102-1001 40 samples, catalog # PE-102-1002
PCR grade water (for gel-free method)	General lab supplier
QIAquick PCR Purification Kit (Optional - for alternative fragmentation by nebulization only)	QIAGEN, part # 28104

Consumable	Supplier
Qubit dsDNA BR Assay Kit	Life Technologies 100 assays, catalog # Q32850 500 assays, catalog # Q32853
Qubit assay tubes or Axygen PCR-05-C tubes	Life Technologies, catalog # Q32856 or VWR, part # 10011-830
RNase/DNase-free multichannel reagent reservoirs, disposable	VWR, part # 89094-658
RNase/DNase-free 8-well PCR strip tubes and caps	General lab supplier
RNase/DNase zapper (to decontaminate surfaces)	General lab supplier
SyBr Gold Nucleic acid gel stain	Invitrogen, part # S11494
Tris-Cl 10 mM, pH8.5 with 0.1% Tween 20	General lab supplier
Tween 20	Sigma, part # P7949
Ultra pure water	General lab supplier

Table 10 User-Supplied Consumables - Additional Items for LS Processing

Consumable	Supplier
96-well 0.3 ml skirtless PCR plates, or Twin.Tec 96-well PCR plates	E&K Scientific, part # 480096 Eppendorf, part # 951020303

Table 11 User-Supplied Consumables - Additional Items for HS Processing

Consumable	Supplier
Microseal 96-well PCR plates ("HSP" plate)	Bio-Rad, part # HSP-9601
Microseal 'A' film	Bio-Rad, part # MSA-5001

Table 12 User-Supplied Equipment

Equipment	Supplier
96-well thermal cycler (with heated lid)	General lab supplier
Covaris S220 or Covaris E220	Covaris, part # SE-501-1001 or Covaris, part # SE-501-1002
Dark reader transilluminator	Clare Chemical Research, part # DR195M
Electrophoresis power supply	General lab supplier
Magnetic stand-96	Life Technologies, catalog # AM10027
Microplate centrifuge	General lab supplier
Qubit 2.0 Fluorometer	Life Technologies, catalog # Q32866 http://products.invitrogen.com/ivgn/product/Q32866
Thermo Scientific Owl B2 EasyCast Mini Gel System	(US) Thermo Scientific, part # B2, or Fisher Scientific, part # 09-528-110B (Other Regions) Fisher Scientific, part # OWL-130-101J B
Vortexer	General lab supplier

Table 13 User-Supplied Equipment - Additional Items for HS Processing

Consumable	Supplier
High Speed Micro Plate Shaker	VWR, catalog # 13500-890 (110V/120V) VWR, catalog # 14216-214 (230V)
MIDI plate insert for heating system	Illumina, catalog # BD-60-601
Stroboscope	General lab supplier
Tru Temp Microheating System	Illumina, catalog # SC-60-503 (115V) Illumina, catalog # SC-60-504 (220V)