

Consumables and Equipment

Check to make sure that you have all of the necessary user-supplied consumables and equipment before starting the TruSeq RNA Sample Preparation v2 protocol. The requirement for some supplies is dependent upon the protocol performed (LS or HS) and these items are specified in separate tables.



NOTE

The TruSeq RNA Sample Preparation v2 protocol has been optimized and validated using the items listed. Comparable performance is not guaranteed when using alternate consumables and equipment.

Table 5 User-Supplied Consumables

Consumable	Supplier
1.5 ml RNase/DNase-free non-sticky tubes	Life Technologies, part # AM12450
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
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
96-well storage plates, round well, 0.8 ml ("MIDI" plate)	Fisher Scientific, part # AB-0859

Consumable	Supplier
96-well 2 ml deep well plates (Optional - to aliquot reagents)	Thomson Instrument Company, part # 951652
Agencourt AMPure XP 60 ml kit	Beckman Coulter Genomics, part # A63881
Certified low-range ultra-agarose (Optional - to determine input RNA integrity)	Bio-Rad, part # 161-3107
Ethanol 200 proof (absolute) for molecular biology (500 ml)	Sigma-Aldrich, part # E7023
Microseal 'B' adhesive seals	Bio-Rad, part # MSB-1001
MicroTube (6x16mm), AFA fiber with crimp-cap (Optional - for alternative fragmentation only)	Covaris, part # 520052
MinElute Gel Extraction Kit (Optional - if starting with previously isolated mRNA)	QIAGEN, part # 28604
Nuclease-free ultra pure water	General lab supplier
RNaseZap (to decontaminate surfaces)	General lab supplier
RNase/DNase-free eight-tube strips and caps	General lab supplier
RNase/DNase-free multichannel reagent reservoirs, disposable	VWR, part # 89094-658
SuperScript II Reverse Transcriptase	Invitrogen, part # 18064-014
Tris-HCl 10 mM, pH8.5	General lab supplier
Tween 20	Sigma, part # P7949

Table 6 User-Supplied Consumables - Additional Items for LS Processing

Consumable	Supplier
96-well 0.3 ml PCR plates	General lab supplier

Table 7 User-Supplied Consumables - Additional Items for HS Processing

Consumable	Supplier
Hard-Shell 96-well PCR Plates (“HSP” plate)	Bio-Rad, part # HSP-9601
Microseal ‘A’ film	Bio-Rad, part # MSA-5001

Table 8 User-Supplied Equipment

Equipment	Supplier
96-well thermal cycler (with heated lid)	General lab supplier
2100 Bioanalyzer Desktop System	Agilent, part # G2940CA
Agilent DNA 1000 Kit	Agilent, part # 5067-1504
Magnetic stand-96	Life Technologies, part # AM10027
Microplate centrifuge	General lab supplier
Vortexer	General lab supplier

Table 9 User-Supplied Equipment - Additional Items for HS Processing

Consumable	Supplier
High-Speed Microplate Shaker	VWR, catalog # • 13500-890 (110 V/120 V) or • 14216-214 (230 V)

Consumable	Supplier
MIDI plate insert for heating system Note: Two inserts are recommended to support successive heating procedures.	Illumina, catalog # BD-60-601
Stroboscope	General lab supplier
One of the following: Note: Two systems are recommended to support successive heating procedures. <ul style="list-style-type: none"> • SciGene TruTemp Heating System • Hybex Microsample Incubator 	<ul style="list-style-type: none"> • Illumina, catalog # <ul style="list-style-type: none"> • SC-60-503 (115 V) or • SC-60-504 (220 V) • SciGene, catalog # <ul style="list-style-type: none"> • 1057-30-0 (115 V) or • 1057-30-2 (230 V)