

Table S3 Price comparison for individual components and reagents needed for paired-end library preparation

Our Method

	Manufacturer	Part number	Price per package	Samples per package	Price per sample
DNA fragmentation					
dsDNA Shearase™	Zymo Research	E2018-200	396	400	0.99
A-tailing					
Klenow exo-dATP	New England Biolabs	M0212L	236	400	0.59
	New England Biolabs	N0440S	48	5000	0.01
Adapter Ligation					
Custom adapter oligos	Sigma-Aldrich	NA	3840	576000	0.01
P2 adapter oligos	Sigma-Aldrich	NA	40	6000	0.01
Quick Ligation Kit™	New England Biolabs	M2200L	388	300	1.29
NEB Buffer 2	New England Biolabs	B7002S	18	384	0.05
PCR Enrichment					
Phusion Mastermix	New England Biolabs	M0531S	170	9600	0.02
Primer oligos	Sigma-Aldrich	NA	47	28800000	0.000002
TOTAL for Reagents					2.96
Clean-ups					
AmpPure XP Magnetic Beads	Beckman-Coulter	A63881	1126	508	2.22
TOTAL for Library prep					5.18
Validation					
Qubit DNA quantification reagents	Life Technologies	Q32851	79	9600	0.01
Bioanalyzer reagents	Agilent Technologies	5067-1505	349	28800	0.01
TOTAL for Preparation/Validation					5.20
Pre-Library Prep Quantification					
Qubit DNA quantification reagents	Life Technologies	Q32851	79	100	0.79
TOTAL for all					5.99

Illumina Tru-Seq Nano

	Manufacturer	Part number	Price per package	Samples per package	Price per sample
DNA Fragmentation					
	Covaris	520045	125	25	5
Library Prep					
TruSeq Nano	Illumina	FC-121-4003	2880	96	30
TOTAL for Library prep					35
Validation					
Qubit DNA quantification reagents	Life Technologies	Q32851	79	9600	0.01
Bioanalyzer reagents	Agilent Technologies	5067-1505	349	28800	0.01
TOTAL for Preparation/Validation					35.02
Pre-Library prep Quantification					
Qubit DNA quantification reagents	Life Technologies	Q32851	79	100	0.79
TOTAL for all					35.81

Prices are based on the list price for the US market (in US dollars). The reagents needed for library quantification for normalization purposes, plastic consumables such as 96-well PCR plates, and general laboratory reagents are not included, as they are not included in the Illumina TruSeq kit.