seqWell Product Comparison Guide

Product	ExpressPlex™ 2.0 Library Prep Kit	ExpressPlex™ Plus Library Prep Kit *(Coming soon)*	AgriPrep™ Library Prep Kit	MosaiX™ Library Prep Kit	LongPlex™ Multiplexing Kit
Primary Applications	• Plasmid and amplicon sequencing	• Microbial/small genome WGS • Metagenomic sequencing	• Genotyping-by-sequencing (GBS) • Low-pass sequencing: up to 5x human • Skim sequencing • Targeted hybrid capture	• Human whole genome & whole exome sequencing • Targeted hybrid capture • Plant & animal WGS • Microbial & metagenomic sequencing	• Long-read sequencing - Plasmid sequencing - Microbial/small genome WGS & metagenomics - Targeted hybrid capture - Low-pass, large genome
Transposase Enzyme	TnX™	TnX™	TnX™	TnX™	Hyperactive Tn5
Sample Types	Amplicons (>350 bp), plasmids, colony PCR, RCA	Microbial genomic DNA	Plant, animal & human genomic DNA	Genomic DNA	Genomic DNA & plasmids
Total Prep Time (Hands on Time)	100 min (30 min)	100 min (30 min)	100 min (30 min)	90 min (35 min)	105-225 min* (40 min)
DNA Input Concentartion	• 0.25-10 ng/µl working range • 1.25-10 ng/µl normalization range	• 1.25-12.5 ng/µl working range • 2.5-12.5 ng/µl normalization range	• 2.5-50 ng/µl working range • 5-25 ng/µl normalization range	0.25-4 ng/µl	10-33.3 ng/µl*
DNA Input Total Mass	• 1-40 ng* working range • 5-40 ng* normalization range	• 5-50 ng working range • 10-50 ng normalization range	• 10-200 ng working range • 20-100 ng normalization range	1-40 ng	150-500 ng*
Indexing Method	CDI	CDI	CDI	Any tagmentation-compatible indexing or custom primers	UDI
Sample Batch Range	8-96 or 384*	8-96	8-96	1-96	1-24 or 8-24*
Number of Samples/ Kits	96/384/custom	96/384/custom	96/384/custom	24/96	96
Number of Available Unique Index Combinations	Up to 6144	Up to 1536	• Up to 1536 off-the-shelf • Up to 3072 via custom ordering	96	96
Paired-End Reads (Clusters) per Sample Supported	≤2 million	≤50 million	≤50 million	≥400 million	N/A

**depending on the protocol*

seqWell Tagify™ Reagent Comparison Guide

Reagents	Tagify i5 UMI	Tagify TnX Universal Adapters	Tagify Custom
Primary Applications	Gene editing on/off-target analysis assays	NGS assays relying on Illumina-compatible adapters	• Gene editing on/off-target analysis assays • Chromatin accessibility assays • Any application requiring DNA fragmentation & tagging
Transposase Enzyme	Hyperactive Tn5	TnX	TnX or Hyperactive Tn5
Sample Types	Various forms of DNA	Various forms of DNA	Various forms of DNA
Barcoding Strategy	Up to 24 unique: • 10 bp i5 barcode • 10 bp UMI sequence	Equimolar Illumina-compatible P5 & P7 universal adapters	Custom • i5/i7 • Universal adapters • Customer-specified oligo • UMI, UDI, CDI
Reagent Size	• 1 or 4 sets of Tagify i5 UMI 24 stamped in 96-well microtiter plate • Custom dispense	• 50 µl at 0.2 U/µl • 200 µl at 0.2 U/µl	N/A
DNA Input Recommended	50 ng	Dependent on customer application	Dependent on customer application
Standard Dispense Volume/ Format	3 µl or 4 µl/well in 96-well microtiter plate	50 µl or 200 µl/vial	Custom dispense in tube or plate (10 µl minimum volume)
Output Fragment Range	800-2000 bp (using region mode with a range of 200-7500 bp)	650 - 850 bp	Fragment range designed to meet customer needs