

seqWell Kit Comparison Guide

Product	ExpressPlex™ 2.0	purePlex™	plexWell™	MosaiX™ (Early Access)	LongPlex™
Primary Applications	<ul style="list-style-type: none"> Plasmid and amplicon sequencing Microbial/small genome WGS 	<ul style="list-style-type: none"> Low frequency variants in plasmids and amplicons Microbial/small genome WGS Low coverage human/large genome WGS Metagenomic sequencing 	<ul style="list-style-type: none"> Low frequency variants in plasmids and amplicons Microbial/small genome WGS Low coverage human/large genome WGS 	<ul style="list-style-type: none"> Human whole genome sequencing (WGS) Human whole exome sequencing (WES) Human germline target capture panels Plant & animal WGS and target capture panels 	<ul style="list-style-type: none"> Long-read sequencing Microbial/small genome WGS Targeted hybrid capture Metagenomic sequencing Low pass, large genome
Transposase Enzyme	TnX	Hyperactive Tn5	Hyperactive Tn5	TnX	Hyperactive Tn5
Sample Types	Amplicons (>350 bp), Plasmids, Colony PCR, RCA, Genomic DNA	Amplicons (>500 bp), Plasmids, Genomic DNA	Amplicons (>500 bp), Plasmids, Genomic DNA	Genomic DNA	Genomic DNA
Total Prep Time (hands-on time)	100 min (30 min)	155 min (45 min)	190 min (55 min)	90 min (35 min)	105 – 225 min* (40 min)
Input Mass	1 - 40 ng	5 – 50 ng (based on batch size)	3 – 30 ng, 5 – 25 ng (10 ng average)	50-100 ng	150 – 500 ng
Indexing Method	CDI	UDI	CDI	Any tagmentation-compatible indexing or custom primers	UDI
Batch Range	8-96 or 384*	8-24	96	1-96	1-24*
Number of Samples/Kit	96 / 384 / custom	96	96 / 384	24 / 96	96
Number of Available Unique Index Combinations	Up to 6144	384	96 / 2304	N/A	96
Paired-End Reads (Clusters) per Sample Supported	≤4 million	≤20 million	≤4 million, ≤20 million	≥400 million	N/A

*depending on the protocol

seqWell Tagify™ Reagent Comparison Guide

Reagents	Tagify i5 UMI	Tagify Custom
Primary Applications	<ul style="list-style-type: none"> Gene editing on/off-target analysis assays 	<ul style="list-style-type: none"> Gene editing on/off-target analysis assays Chromatin accessibility assays Any application requiring DNA fragmentation & tagging
Transposase Enzyme	Hyperactive Tn5	TnX or Hyperactive Tn5
Sample Types	Genomic DNA	Genomic DNA
Barcoding Strategy	Up to 24 unique: <ul style="list-style-type: none"> 10 bp i5 barcode 10 bp UMI sequence 	Custom <ul style="list-style-type: none"> i5/i7 Universal adapters Customer-specified oligo UMI, UDI, CDI
Reactions/Kit	<ul style="list-style-type: none"> 1 or 4 sets of Tagify i5 UMI 24 stamped in 96-well microtiter plate Custom dispense 	N/A
DNA Input Recommended	50ng	Dependent on customer application
Standard Dispense Volume/Well	3 µl or 4 µl in 96-well microtiter plate	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)	Fragment range designed to meet customer needs