

# seqWell Kit Comparison Guide



| Product                                          | ExpressPlex™ 2.0 Library Prep Kit                                                 | ExpressPlex™ Plus Library Prep Kit (Coming soon)                                                                                                                                   | AgriPlex™ Library Prep Kit                                                                                                             | MosaiX™ Library Prep Kit (Early Access)                                                                                                                                                                                                   | LongPlex™ Multiplexing Kit                                                                                                                                                                                                              |
|--------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Primary Applications                             | <ul style="list-style-type: none"> <li>Plasmid and amplicon sequencing</li> </ul> | <ul style="list-style-type: none"> <li>Microbial/small genome WGS</li> <li>Metagenomic sequencing</li> <li>Low-pass coverage of large genomes (up to 5X human coverage)</li> </ul> | <ul style="list-style-type: none"> <li>Genotyping-by-sequencing (GBS)</li> <li>Low-pass sequencing</li> <li>Skim sequencing</li> </ul> | <ul style="list-style-type: none"> <li>Human whole genome sequencing (WGS)</li> <li>Human whole exome sequencing (WES)</li> <li>Human germline target capture panels</li> <li>Plant &amp; animal WGS and target capture panels</li> </ul> | <ul style="list-style-type: none"> <li>Long-read sequencing</li> <li>Plasmid sequencing</li> <li>Microbial/small genome WGS</li> <li>Targeted hybrid capture</li> <li>Matagenomic sequencing</li> <li>Low-pass, large genome</li> </ul> |
| Transposase Enzyme                               | TnX™                                                                              | TnX                                                                                                                                                                                | TnX                                                                                                                                    | TnX                                                                                                                                                                                                                                       | Hyperactive Tn5                                                                                                                                                                                                                         |
| Sample Types                                     | Amplicons (>350 bp), Plasmids Colony PCR, RCA                                     | Genomic DNA                                                                                                                                                                        | Plant & animal genomic DNA                                                                                                             | Genomic DNA                                                                                                                                                                                                                               | Genomic DNA                                                                                                                                                                                                                             |
| 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)                                                                                                                                                                                                                   |
| Input Mass                                       | 1-40 ng                                                                           | <ul style="list-style-type: none"> <li>10-200 ng working range</li> <li>20-100 ng normalization range</li> </ul>                                                                   | <ul style="list-style-type: none"> <li>10-200 ng working range</li> <li>20-100 ng normalization range</li> </ul>                       | 50-100 ng                                                                                                                                                                                                                                 | 150-500 ng                                                                                                                                                                                                                              |
| Indexing Method                                  | CDI                                                                               | CDI                                                                                                                                                                                | CDI                                                                                                                                    | Any tagmentation-compatible indexing or custom primers                                                                                                                                                                                    | UDI                                                                                                                                                                                                                                     |
| Batch Range                                      | 8-96 or 384*                                                                      | 8-96                                                                                                                                                                               | 8-96                                                                                                                                   | 1-96                                                                                                                                                                                                                                      | 1-24*                                                                                                                                                                                                                                   |
| Number of Samples/Kits                           | 96/384/custom                                                                     | 96                                                                                                                                                                                 | 96                                                                                                                                     | 24/96                                                                                                                                                                                                                                     | 96                                                                                                                                                                                                                                      |
| Number of Available Unique Index Combinations    | Up to 6144                                                                        | Up to 1536                                                                                                                                                                         | <ul style="list-style-type: none"> <li>Up to 1536 off-the-shelf</li> <li>Up to 3072 via custom ordering</li> </ul>                     | N/A                                                                                                                                                                                                                                       | 96                                                                                                                                                                                                                                      |
| Paired-End Reads (Clusters) per Sample Supported | ≤4 million                                                                        | ≤50 million                                                                                                                                                                        | ≤50 million                                                                                                                            | ≤400 million                                                                                                                                                                                                                              | N/A                                                                                                                                                                                                                                     |

\*depending on the protocol

# seqWell Tagify™ Reagent Comparison Guide



| Reagents                      | Tagify™ i5 UMI                                                                                                                                     | Tagify Custom                                                                                                                                                                                                 |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Primary Applications          | Gene editing on/off-target analysis assays                                                                                                         | <ul style="list-style-type: none"> <li>• Gene editing on/off-target analysis assays</li> <li>• Chromatin accessibility assays</li> <li>• Any application requiring DNA fragmentation &amp; tagging</li> </ul> |
| Transposase Enzyme            | Hyperactive Tn5                                                                                                                                    | TnX or Hyperactive Tn5                                                                                                                                                                                        |
| Sample Types                  | Genomic DNA                                                                                                                                        | Genomic DNA                                                                                                                                                                                                   |
| Barcoding Strategy            | <b>Up to 24 unique:</b> <ul style="list-style-type: none"> <li>• 10 bp i5 barcode</li> <li>• 10 bp UMI sequence</li> </ul>                         | <b>Custom</b> <ul style="list-style-type: none"> <li>• i5/i7</li> <li>• Universal adapters</li> <li>• Customer-specified oligo</li> <li>• UMI, UDI, CDI</li> </ul>                                            |
| Reactions/Kit                 | <ul style="list-style-type: none"> <li>• 1 or 4 sets of Tagify i5 UMI 24 stamped in 96-well microtiter plate</li> <li>• Custom dispense</li> </ul> | N/A                                                                                                                                                                                                           |
| DNA Input Recommended         | 50 ng                                                                                                                                              | 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                                                                                                                                                                |

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