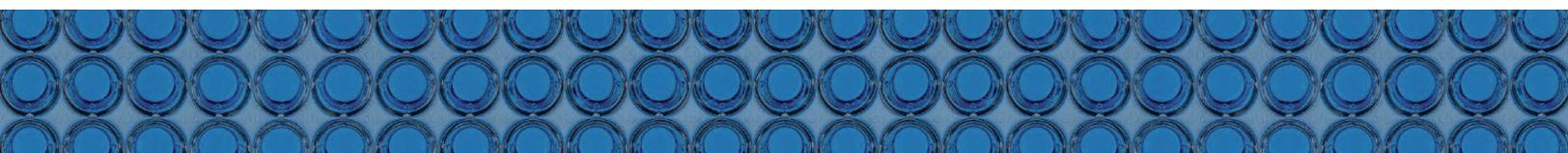


# ExpressPlex™ HT Library Prep Kit

ExpressPlex HT Specifications	
Primary Applications	Plasmid and synthetic construct sequencing
Sample Input Types	Purified plasmid DNA, RCA-amplified DNA, amplicons >350bp, colony PCR amplicons
Reactions per Kit	<ul style="list-style-type: none"> <li>• 1,536 (4 different sets available)</li> <li>• Each kit contains 4 different 384-well plates</li> </ul>
Plate Format	<ul style="list-style-type: none"> <li>• 384-well, Bio-Rad hard shell plates</li> </ul>
DNA Input Recommended	8 - 40ng
Total Library Prep Time	90 minutes
Indexing Method	Combinatorial Dual Indexing
Number of Unique Index Combinations	6,144
Output Fragment Range*	400 - 1,200bp
Number of PCR Cycles	<ul style="list-style-type: none"> <li>• 12 cycles for plasmids</li> <li>• 15 cycles for amplicons</li> </ul>
Sequencer Compatibility	<ul style="list-style-type: none"> <li>• All Illumina sequencing platforms</li> <li>• Compatible with Complete Genomics platforms or Element Biosciences AVITI™ using conversion kits for Illumina libraries</li> </ul>
Automation	<ul style="list-style-type: none"> <li>• 96 or 384-tip head recommended for fastest processing</li> <li>• Manual processing is not recommended</li> <li>• For up to date list on validated robotic platforms, contact support@seqwell.com</li> </ul>

\*Fragment size will depend on magnetic bead cleanup ratios used.



## Technical Specifications Sheet

### ExpressPlex HT Ordering Information

Description	Product #
ExpressPlex HT Library Prep Kit, 1,536 rxns, set A	301141
ExpressPlex HT Library Prep Kit, 1,536 rxns, set B	301142
ExpressPlex HT Library Prep Kit, 1,536 rxns, set C	301143
ExpressPlex HT Library Prep Kit, 1,536 rxns, set D	301144

#### ExpressPlex HT Library Prep Kit Includes:

- 384-well Indexing Reaction Plates (4)
- 384-well Ready Reaction Mix Plates (4 - containing amplification master mix)
- MAGwise Paramagnetic Beads (5mL)
- Users do not need to supply polymerase, primers, or barcodes. These are already pre-mixed into the reagents supplied.



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