

LongPlex™ Long Fragment Multiplexing Kit

LongPlex Specifications	
Primary Applications	Long Read Sequencing for: <ul style="list-style-type: none"> • Microbial and Small Whole Genome Sequencing • Metagenomics • Low Pass Sequencing • Targeted Hybrid Capture
Sample Input Types*	Genomic DNA (DIN ≥ 8.0 Recommended)
Reactions per Kit	96 Reactions
DNA Input Recommended	250-500 ng
Plate Format	Fully skirted 96-well PCR plate
Index Method	Unique Dual Indexing (UDI)
Number of Unique Index Combinations	96
Batch Size	1-96 Samples**
Kit Output Fragment Range (average)	8,000 - 10,000 bp***
PCR Amplification	<ul style="list-style-type: none"> • WGS: PCR-free & PCR-plus Methods are Available • Hybrid Capture: 8-10 PCR Cycles Required
Total Protocol Time	<ul style="list-style-type: none"> • PCR-free: 60 Minutes (20 Minutes Hands-on) • PCR-plus: 3-4 Hours Including Long Range PCR (30 Minutes Hands-on)
Sequencer Compatibility	<ul style="list-style-type: none"> • PacBio™ Revio™ • PacBio Sequel II & IIe

*Other sample types and applications may be compatible. Contact seqWell™ support for more information

**Up to 96 samples can be pooled post LongPlex barcoding prior to PacBio SMRTbell™ indexing

***Fragment size will depend on magnetic bead cleanup ratios used and QC method. Final sequencing read length will vary depending on downstream application.

LongPlex Ordering Information

Description	Product #
LongPlex Long Fragment Multiplexing Kit (Any Index Set), 96 reactions	301315

Kit Includes:

- Tagging Reagent Plate
(96-well Microtiter Plate)
- 3X Coding Buffer
- X Solution
- Library Primer Mix (LPM) for Optional PCR



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