Biolegio

Instructions For Use

LegiSeq™ NGS

LegiSeq™ Universal Short Adapters & UDI Indexing Primers

Biolegio Product Codes:
#647001,#647002,#647003,#647004,#647005,#647006,#647007,#647008,#647009,#647010, #647026,#647027,#647028,#647040,#647041

16/96/384 reactions

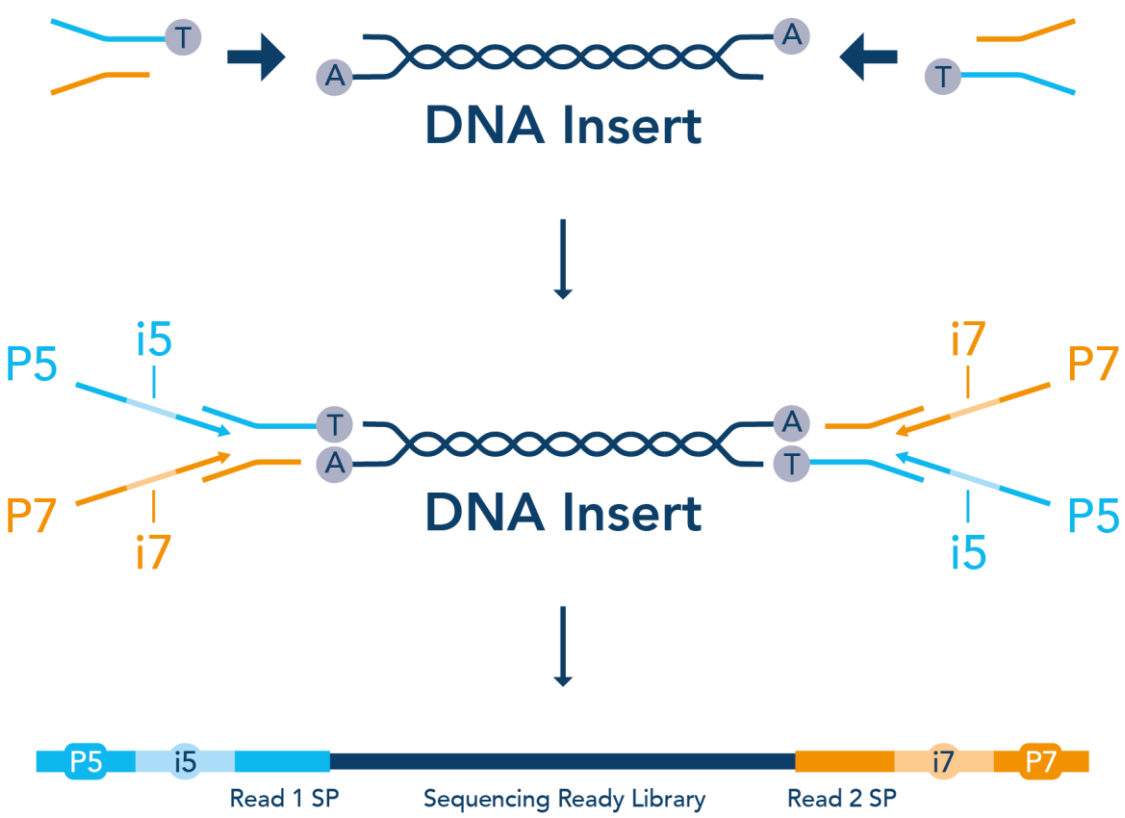
Version 1.0

Application

LegiSeq™ Universal Short Adapters & UDI Indexing Primers are intended for use in multiplex sample library preparation for next generation sequencing on the Illumina® sequencing platform range.

Workflow Overview

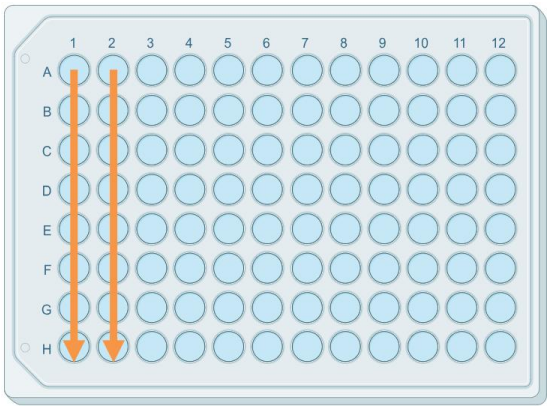
LegiSeq™ Universal Short Adapters are pre- annealed, partially double stranded oligonucleotides designed to be ligated to fragmented DNA samples. In conjunction with the LegiSeq™ UDI Indexing Primers, they incorporate sequences that enable attachment and bridge amplification on Illumina® flow cells with unique dual index sequences for multiplexing.



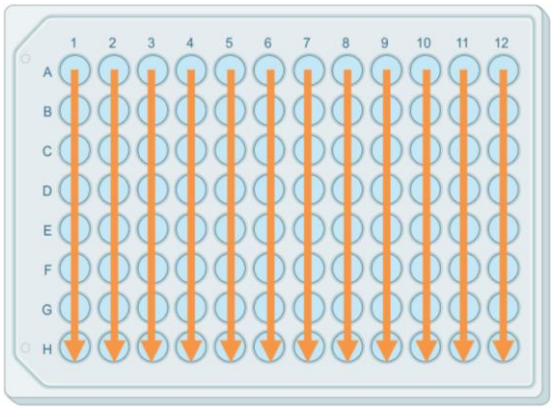
Contents

The LegiSeq™ Universal Short Adapters are supplied in a tube at 15 µM working concentration. The LegiSeq™ UDI Indexing Primers sets are supplied pre-dispensed in plates (Vertical dispensing arrangement-see below), with one specific indexed primer pair at 12.5µl per well at 20µM working concentration (10µM of each i5 and i7 primer). Plates are sealed with a pierceable heat seal and are intended for single use.

16 Reactions:



96 / 384 Reactions:



Handling & Storage

Store LegiSeq™ Universal Short Adapters & UDI Indexing Primers at -20°C. Thaw on ice before use and keep on ice during use- Do not allow adapters to be heated above standard room temperature. Adapters and Primers are intended for single use, however if material is unused, the primer plate can be re-sealed with a new adhesive seal and both the primer plate and Adapter tube can be returned to storage at -20°C.
If there is a requirement to dilute the Universal Short Adapter we recommend the use of LegiSeq™ Duplex Adapter Buffer- Biolegio Product Code #647035

Directions

1. Thaw adapter tube on ice and keep on ice during use.
2. Briefly vortex to collect material and return to ice.
3. Thaw primer plate, briefly centrifuge to collect material at the bottom of the wells, return to ice and keep on ice during use.
4. Prepare ligation reaction, adding adapter at volume and molar ratio as directed by library preparation protocol.
5. Prepare Indexing PCR reaction.
6. Pierce and directly pipette required volume of Indexing primers as directed by library preparation protocol.
    a. Ensuring to use a fresh pipette tip for each well to avoid cross-contamination of indexes.

Index Sequence Files

To download the file with the index sequences for use with the sample sheet for Illumina® Experiment Manager please visit https://www.biolegio.com/support-and-downloads

Instructions For Use

Support

For additional product support or information please contact info@biolegio.com.

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