

# Introducing 48-Sample Indexing!

Available for LymphoTrack *IGH* FR1 – MiSeq® Assays

LymphoTrack Assays are a significant improvement over existing clonality assays as they efficiently detect the majority of B- and T-cell gene rearrangements and at the same time, identify the specific DNA sequence for each clonal gene rearrangement. Once a sequence specific rearrangement (the clonotype) has been identified, the same LymphoTrack Assay can be used to track these population clonotypes to sensitivities as low as  $10^{-6}$ . The LymphoTrack *IGH* FR1 – MiSeq Assays explicitly identify clonal rearrangements within targeted immunoglobulin (Ig) antigen receptor loci.

With the recent rise of laboratory testing volumes, NGS assays offering increased sample indexing such as the LymphoTrack *IGH* FR1 – MiSeq Assay offer a significant advantage in which unique indices may be applied across MRD samples from different subjects. LymphoTrack multiplex master mixes are designed with Illumina® adapters and up to 48 sample indices. This allows for pooling of amplicons from different samples and targets onto a single Illumina® MiSeq® flow cell. The use of 48 sample indices allows greater flexibility in laboratory set up for both initial testing and MRD monitoring. In addition, sequencing costs may be reduced by pooling up to 48 samples per sequencing run.

<i>IGH</i> FR1 Assay – MiSeq	Indices
Kit A	Indices 1-8
Panel	Indices 1-24
Panel B	Indices 25-48

**\*48 Unique  
Sample Indices**

3 kit configurations are offered allowing laboratories to choose the optimal kit(s) for their sample throughput.

## Key Benefits

- Identify & monitor sequence specific mutation status of B-cell gene rearrangements
- 48-sample indexing for high-throughput testing
- Same reagents for clonality and MRD testing
- One-step PCR for amplicon and sequencing library generation
- Bioinformatics software automates data analysis; PDF reports

## SOFTWARE INCLUDED

LymphoTrack Software enables the identification of population clonotypes. This sequence specific information may be seamlessly imported into LymphoTrack MRD Software for identification of residual clonotype sequences in subsequent samples.

## Ordering Information

CATALOG #	PRODUCTS	QUANTITY
7-121-0009	LymphoTrack® <i>IGH</i> FR1 Assay Kit A – MiSeq®	indices 1-8 (5 sequencing reactions each)
7-121-0039	LymphoTrack® <i>IGH</i> FR1 Assay Panel – MiSeq®	indices 1-24 (5 sequencing reactions each)
7-121-0149	LymphoTrack® <i>IGH</i> FR1 Assay Panel B – MiSeq® <b>NEW!</b>	indices 25-48 (5 sequencing reactions each)
7-500-0009	LymphoTrack® Software – MiSeq®	1 CD complimentary with purchase
7-500-0008	LymphoTrack® MRD Software	1 CD complimentary with purchase

These products are sold for Research Use Only; not for use in diagnostic procedures.

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