

Software for High-Throughput, Fully-Automated, Standardized Results

Software Use

When used with the LymphoTrack Assays and LymphoTrack MRD Solutions, the LymphoTrack Enterprise Software* enables automated bioinformatics data analysis for raw FASTQ files from Complete Genomics DNBSEQ-G99 and Illumina[®] MiSeq[™], NextSeq[™] and NovaSeq[™] systems.

This Linux-based software enables clonal analysis and MRD tracking of single or multiple gene-targets (*IGHV* Leader, *IGH* FR1, *IGH* FR2, *IGH* FR3, *IGK*, *TRG* and/or *TRB*) and also provides somatic hypermutation (SHM) status of samples run with the *IGHV* Leader or *IGH* FR1 assays.

LymphoTrack Enterprise Software is built for portability, flexibility and can easily be integrated into downstream reporting systems and/or LIMS.

Description

The LymphoTrack Enterprise Software package was designed to enable automated pipelines for laboratories that generate high volumes of sequencing data using the LymphoTrack Assays and LymphoTrack MRD Solutions. The FASTQ files that are output from a sequencing run of samples prepared with LymphoTrack Assays are automatically processed and output into tab-separated value (TSV) files using LymphoTrack Enterprise Software. The analysis is initiated by either REST-API or command line interface. The data output can then be visualized in Microsoft Excel[®] or imported into custom reports.

*For Research Use Only (RUO). Not for Use in Diagnostic Procedures.

System Requirements

Linux compute infrastructure (Ubuntu OS), 16 core Processor (32 recommended), 64 GB system RAM (128 GB recommended), 80 GB disk space (250 GB recommended), and IT/Bioinformatics expertise with understanding of containerized applications.

Automated Workflow



Ordering Information

Catalog #	Product Description	Components	Product Website
S100003	LymphoTrack [®] Enterprise Software	1 Software Package	https://catalog.invivoscribe.com/product/S100003/

