

AllType Rapid Loci Kit

High-resolution genotyping

Features

Flexible & Rapid Workflow

- Single and multi-sample (up to 24) workflows
- Single Sample Results - <4.5 hours
- Multi-Sample Results <11 hours
- Ligase-based library preparation (no fragmentation)
- Compatible with: Oxford Nanopore Technologies
 - R10.4 Flow cell
 - MinION Mk1B Sequencing Device

Phased Genotyping

- Completely phased Long-Range sequencing device
- Helps resolves relevant 2nd field CIS-TRANS ambiguities

Quality Performance

- 2nd Field concordance greater than 99%
- Highly Uniformed Coverage
- Balanced reads



Highly quality results with less complexity

The AllType™ Rapid 11 Loci Kit is a fast, high-resolution HLA genotyping solution designed to analyze 11 HLA loci with second field concordance greater than 99%.

The kit's primers are designed to generate HLA amplicons, which are then end-repaired, barcoded, and adapter-ligated for sequencing on Oxford Nanopore Technologies platforms. The AllType Rapid workflow generates completely phased coverage, potentially solving 2nd field cis-trans ambiguities and delivering consistent and balanced data. Utilizing TypeStream™ Visual NGS Analysis Software, the kit enables streamlined analysis and bidirectional communication with HistoTrac™, simplifying data integration and reporting.

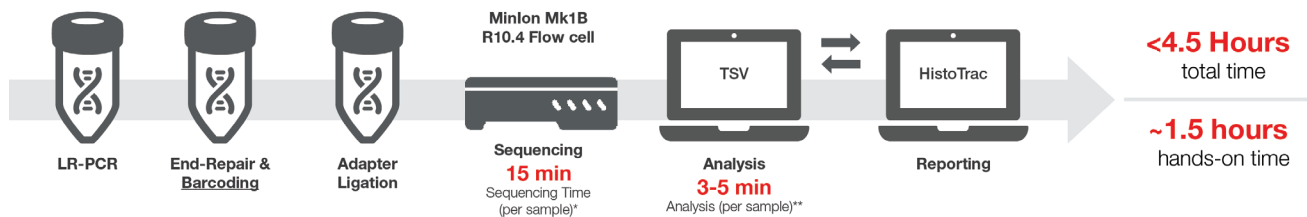
Table 1. Gene coverage

Locus	Coverage
HLA-A	Full Gene
HLA-B	Full Gene
HLA-C	Full Gene
HLA-DRB1	Exon 2 – 3'UTR
HLA-DRB3/4/5	Exon 2 – 3'UTR
HLA-DQB1	Exon 2 – 3'UTR
HLA-DQA1	Full Gene
HLA-DPB1	Exon 2 – 3'UTR
HLA-DPA1	Full Gene

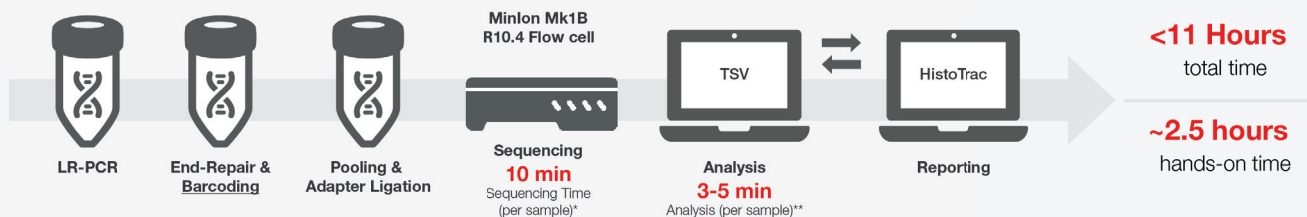
AllType Rapid 11 Loci kit

Delivering accuracy and speed in HLA genotyping

Single Sample



Multi-Sample (up to 24)



*Sequencing time dependent on number of active pores.

**Analysis time dependent on number of CPU processing cores.

Ordering information

Description	Quantity	Cat. No.
For Research Use Only. Not for use in diagnostic procedures.		
AllType Rapid 11 Loci kit	48 Samples	ALL-R11LX

Find out more at thermofisher.com/AllType-Rapid

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