

AllType NGS assay

High-resolution genotyping

Key benefits

- One PCR reaction per sample
- Multiplexed amplification of all Class I and Class II loci in 2.5 hours—*A*, *B*, *C*, *DRB1*, *DRB345*, *DQB1*, *DQA1*, *DPB1*, and *DPA1*
- No pooling of amplicons
- Direct-to-library preparation
- Suitable for low- and high-volume laboratories
- Compatible with multiple platforms
- Results in less than 3 days
- First-pass high-resolution genotyping



An NGS solution for every lab

The One Lambda™ AllType™ NGS assay brings unprecedented speed and simplicity to genotyping. This single multiplex reaction amplifies all major Class I and Class II loci, completely removing the need for amplicon pooling. Samples are transferred directly to library preparation and made ready for sequencing in a single workday.

Platform-specific barcodes allow for added flexibility to sequence on your system of choice. One Lambda™ TypeStream™ Visual software supports single-read and paired-end sequencing analysis at the highest levels of reliability and convenience.

Table 1. Gene coverage.

Locus	11-loci PCR
<i>A</i>	Full gene
<i>B</i>	Full gene
<i>C</i>	Full gene
<i>DRB1</i>	Exon 2–3' UTR
<i>DRB345</i>	Exon 2–3' UTR
<i>DQB1</i>	Exon 2–3' UTR
<i>DQA1</i>	Full gene
<i>DPB1</i>	Exon 2–3' UTR
<i>DPA1</i>	Full gene

Ordering information

Product	Technology	Tests	Cat. No.
AllType NGS 11-Loci Sample Prep Kit	Ion Torrent™ sequencing	96	ALL-PREP11L
AllType NGS 11-Loci Sample Prep Flex Kit	Illumina™ sequencing	96	ALL-PREP11LF

Component	Qty	Tests	Cat. No.
AllType NGS 11-Loci Sample Prep Kit (ALL-PREP11L) – configuration			
AllType NGS 11-Loci Amplification Kit*	1	96	ALL-11L
AllType NGS Library Prep Kit**	1	96	ALL-LIBX
AllType NGS Index Kit†	1	96	ALL-IONX
AllType NGS 11-Loci Sample Prep Flex Kit (ALL-PREP11LF) – configuration			
AllType NGS 11-Loci Amplification Kit*	1	96	ALL-11L
AllType NGS Library Prep Kit**	1	96	ALL-LIBX
AllType NGS Index Flex Kit‡	1	96	ALL-FLEXX

* For *In Vitro* Diagnostic Use Only. European Union Only.

** AllType NGS library preparation requires the use of this kit. For Research Use Only. Not for use in diagnostic procedures.

† Includes amplification (ALL-11L), library preparation (ALL-LIBX), and indexing (ALL-IONX) kits required for sequencing on Ion Torrent sequencers. For Research Use Only. Not for use in diagnostic procedures.

‡ Includes amplification (ALL-11L), library preparation (ALL-LIBX), and indexing (ALL-FLEXX) kits required for sequencing on Illumina sequencers. For Research Use Only. Not for use in diagnostic procedures.

Find out more at thermofisher.com/onelambda

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