

AllType™ NGS Assay

High Resolution Genotyping

Key Features

- 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 amplicon pooling
- **Direct to library preparation**

Scalable

- Suitable for low and high volume laboratories
- Up to 48 samples per sequencing run

Flexible

- Compatible with multiple platforms

Rapid Turnaround

- **Results in less than 3 days**

High Resolution

- First-pass high resolution genotyping



An NGS solution for every lab

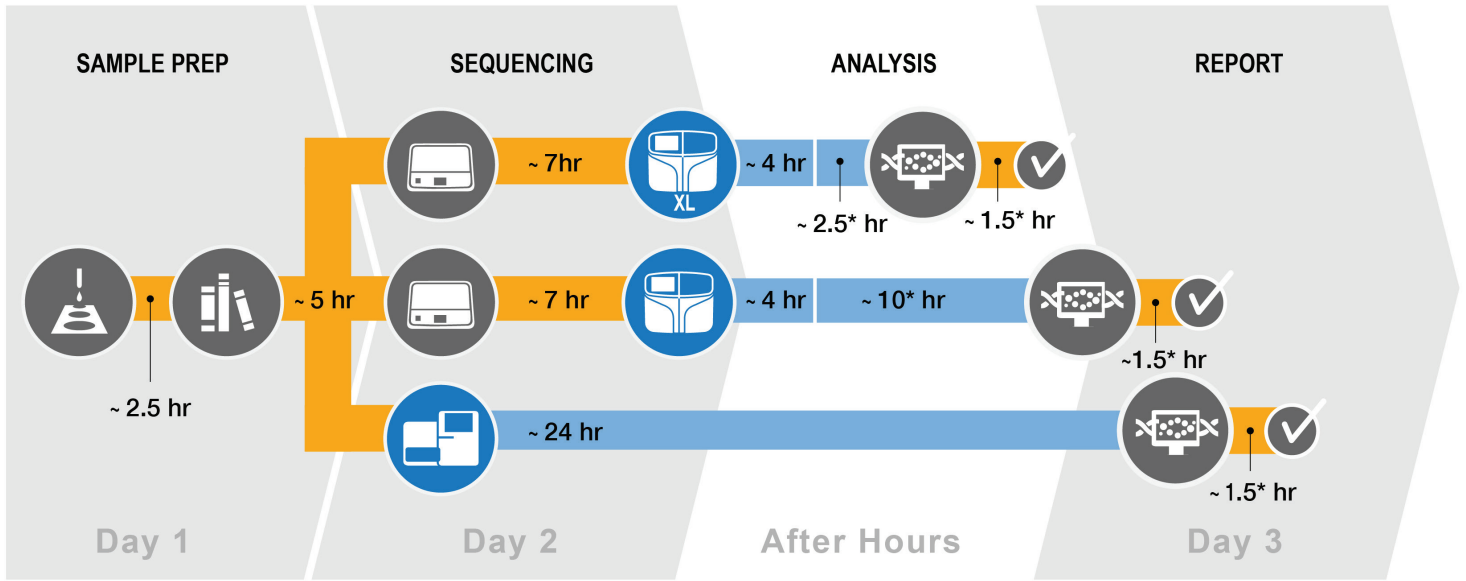
The AllType™ NGS assay brings unprecedented speed and simplicity to genotyping. This single multiplex reaction amplifies all major Class I and Class II loci, completely removing the need for amplicon pooling. Samples are transferred directly to library preparation and made ready for sequencing in a single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

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

Table 1. Gene Coverage

| Locus | Coverage |
|--------|-----------------|
| A | Full gene |
| B | Full gene |
| C | Full gene |
| DRB1 | Exon 2 – 3' UTR |
| DRB345 | Exon 2 – 3' UTR |
| DQB1 | Exon 2 – 3' UTR |
| DQA1 | Full gene |
| DPB1 | Exon 2 - 3' UTR |
| DPA1 | Full gene |

AllType Workflow



*Actual times may vary depending on PC performance and run characteristics

Ordering Information

| AllType NGS Assay | Tests | Cat. No. |
|--|-------|--------------|
| <i>For In Vitro Diagnostic Use. European Union Only. For Research Use Only. Not for use in diagnostic procedures. (USA & Canada)</i> | | |
| AllType NGS 11-Loci Amplification Kit | 96 | ALL-11L |
| AllType - Ion Torrent Workflow Reagents | Tests | Cat. No. |
| <i>For Research Use Only. Not for use in diagnostic procedures.</i> | | |
| Ion Xpress plus Fragment Library Kit (20 rxns) | 20 | ION-XLIB |
| Ion Xpress Barcode Adapters 1-16 Kit | 160 | ION-XBA1 |
| Ion Xpress Barcode Adapters 17-32 Kit | 160 | ION-XBA2 |
| Ion Xpress Barcode Adapters 33-48 Kit | 160 | ION-XBA3 |
| Ion Xpress Barcode Adapters 49-64 Kit | 160 | ION-XBA4 |
| Ion Xpress Barcode Adapters 65-80 Kit | 160 | ION-XBA5 |
| Ion Xpress Barcode Adapters 81-96 Kit | 160 | ION-XBA6 |
| Ion Xpress Barcode Adapters 1-96 Kit | 960 | ION-XBA7 |
| AllType - Illumina Workflow Reagents | Tests | Cat. No. |
| AllType NGS 11-Loci Sample Prep Flex Kit ¹ | 96 | ALL-PREP11LF |

¹ Includes amplification, fragment library, and indexing kits.

Find out more at onelambda.com



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