

# AllType™ FASTplex™ NGS Assay (Research Use Only)

## High Resolution Genotyping

### Features

#### Amplification

- One PCR reaction per sample
- Multiplex amplification of Class I and Class II loci in only 2.5 hours
- No amplicon pooling

#### Library Preparation

- Half the time of traditional methods
- One-tube workflow for 70% of protocol
- Compatible with:
  - Ion GeneStudio™ S5 Systems
  - Illumina MiSeq® System
  - Illumina MiniSeq® System
  - Illumina iSeq 100® System

#### Summary

- Total hands-on time **~90 minutes\***
- Sample to Sequencing in **<7 hours\***
- No highly-specialized training or automation is required
- Consumables and plastics reduced >50%

\*Considers one technologist preparing 24 samples.



### Simple. Fast. Better.

The AllType FASTplex NGS assay combines the convenience of multiplex PCR with workflow simplicity by eliminating most of the pipetting, purification and quantification steps required by traditional methods. By pooling amplicons into a single tube within the first hour, our new library preparation method allows libraries to be prepared for sequencing in less than 3.5 hours with minimal hands-on time.

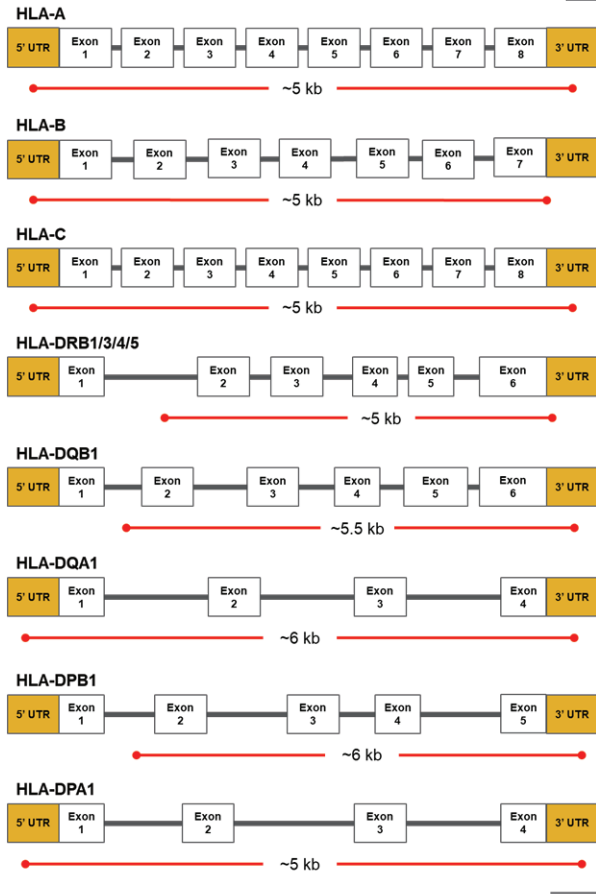
**Table 1. Gene Coverage**

| Locus  | 11 Loci PCR     |
|--------|-----------------|
| 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       |

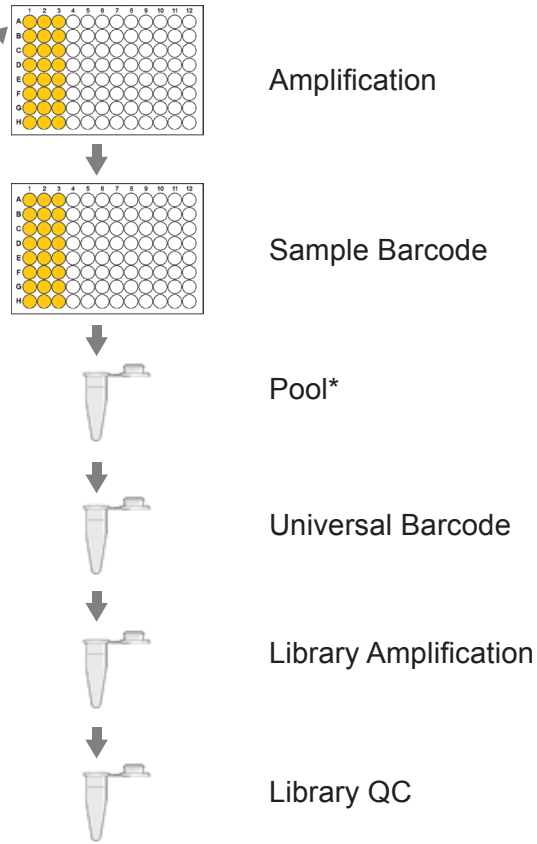
# AllType™ FASTplex™ NGS Assay

Combining the convenience of multiplex PCR with workflow simplicity

## 11 loci multiplex



## single tube workflow\*



\*Early pooling of all samples into a single tube within 1<sup>st</sup> hour

## Ordering Information

| Product Name  | Tests | Cat. No       |
|---|-------|---------------|
| <i>For Research Use Only. Not for use in diagnostic procedures.</i> |       |               |
| AllType™ FASTplex™ NGS 11 Loci Flex Kit - 96 <sup>1</sup>           | 96    | ALL-FAST11LFX |
| AllType™ FASTplex™ NGS 11 Loci Flex Kit - 48 <sup>2</sup>           | 96    | ALL-FAST11LX  |

<sup>1</sup> Includes 96 unique barcodes and all reagents required for amplification and library preparation with Illumina

<sup>2</sup> Includes 48 unique barcodes and all reagents required for amplification and library preparation with Ion Torrent



TDX-MKT-0104 | OCTOBER 2020 | REV 03

Find out more at [onelambda.com](http://onelambda.com)

© 2020 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific and its subsidiaries. Specifications, terms and pricing are subject to change. Not all products are available in all countries. Please consult your local sales representative for details.

**ONE LAMBDA**  
A Thermo Fisher Scientific Brand

**Rafer** INNOVACIÓN  
TECNOLÓGICA  
PARA LABORATORIO

[www.rafer.es](http://www.rafer.es)

**Barcelona**

93 645 50 28  
barcelona@rafer.es

**Bilbao**

94 499 85 80  
bilbao@rafer.es

**La Coruña**

981 93 89 26  
galicia@rafer.es

**Madrid**

91 365 15 70  
madrid@rafer.es

**Málaga**

639 359 792  
malaga@rafer.es

**Sevilla**

954 369 334  
sevilla@rafer.es

**Valencia**

96 340 48 00  
levante@rafer.es

**Zaragoza**

976 23 74 00  
rafer@rafer.es

**Lisboa**

21 154 19 98  
lisboa@rafer.es