Seeing Beyond Limits

MIA FORA™ NGS MFlex HLA Typing Kit

Seeing Beyond Limits of NGS HLA Typing:
Simplified with Multiplex

MIA FORA™ NGS
MFlex

BEST IN CLASS
CUSTOMER SUPPORT

IMMUCOR®

www.immucor.com

MIA FORA™ NGS

MFlex

Report high quality NGS HLA Typing results, with an optimized workflow, in less time than ever before using the new MIA FORA NGS MFlex HLA Typing Kit.

Amplification

- Optimized, single PCR multiplex reaction – available for 11 or 6 genes
- All in one Master Mix provided
- 4 hours of amplification
- 15 minutes of hands on time

Library Prep

- No quantification, balancing or pooling steps needed
- Bead or Pippin* based size selection
- 3.75 hours total
- 1.5 hours of hands on time

Sequencing

- Validated on MiSeq™, MiniSeq™, NextSeq™, and iSeq™
- 15 minutes of hands on time
- Automated file transfer allows software analysis to begin immediately without user intervention

Based on 24 whole blood samples

QUALITY RESULTS

- Optimized multiplex reaction produces well balanced PCR products, minimizing the chance for allele dropout.
- High quality NGS HLA typing results with the MIA FORA™ NGS HLA Typing software package that uses 3 analysis algorithms to provide exceptional HLA Results in ONE PASS.

WORKFLOW EFFICIENCY

- No quantification, balancing or pooling steps saves hands on time and allows users to proceed from amplification directly to library preparation.
- One day workflow allows for results to be reported in under 3 days.
- Pre and post automation solutions and sequencing options to fit high and low testing volumes.

COST-EFFICIENCY

- Flexible product and workflow configurations to fit each lab's needs with a cost-efficient solution.

*Registered trademark of Sage Science

MIA FORA NGS FLEX Software

The software that powers the MIA FORA NGS FLEX analysis was developed based on Immucor's extensive experience with HLA typing. Rather than adapting software used for modified Sanger sequencing or other NGS applications (e.g. oncology), we spent more than seven years developing a solution that's uniquely suited for high resolution HLA typing.

Three Algorithms for Highly Accurate Analysis

MIA FORA is the **only software that uses three algorithms**—one for mapping and two for phasing—to ensure highly accurate base calling.

UNIQUE FEATURES OF THE MIA FORA SOFTWARE

Smart Flag and Smart Guide Systems
Enables users to make informed allele calls and walks users through data analysis step by step.
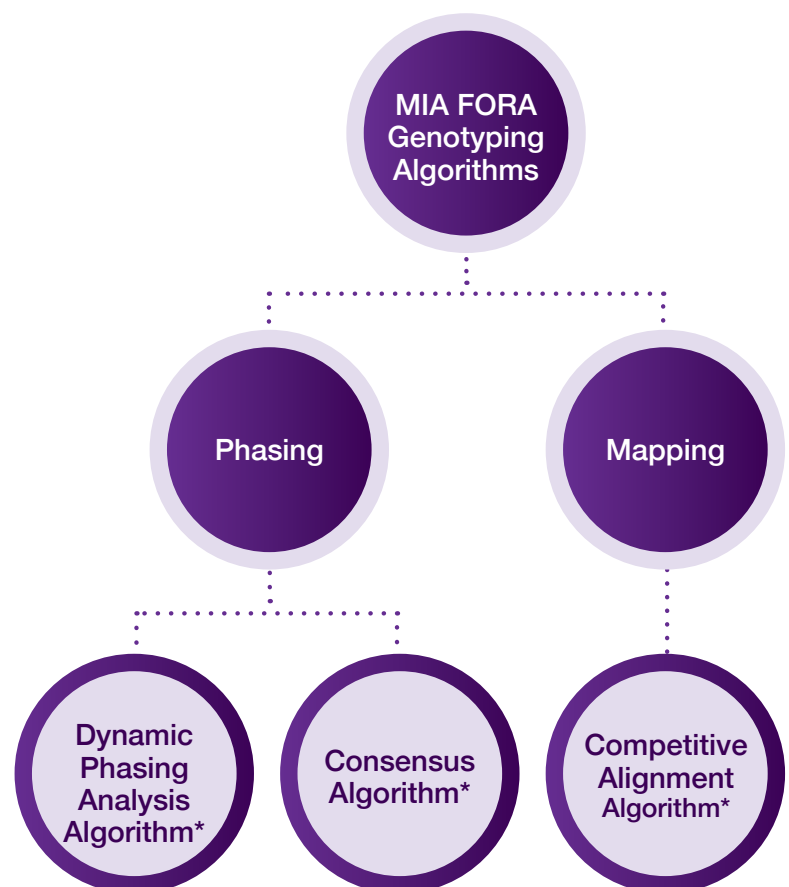
Intuitive Graphic User Interface
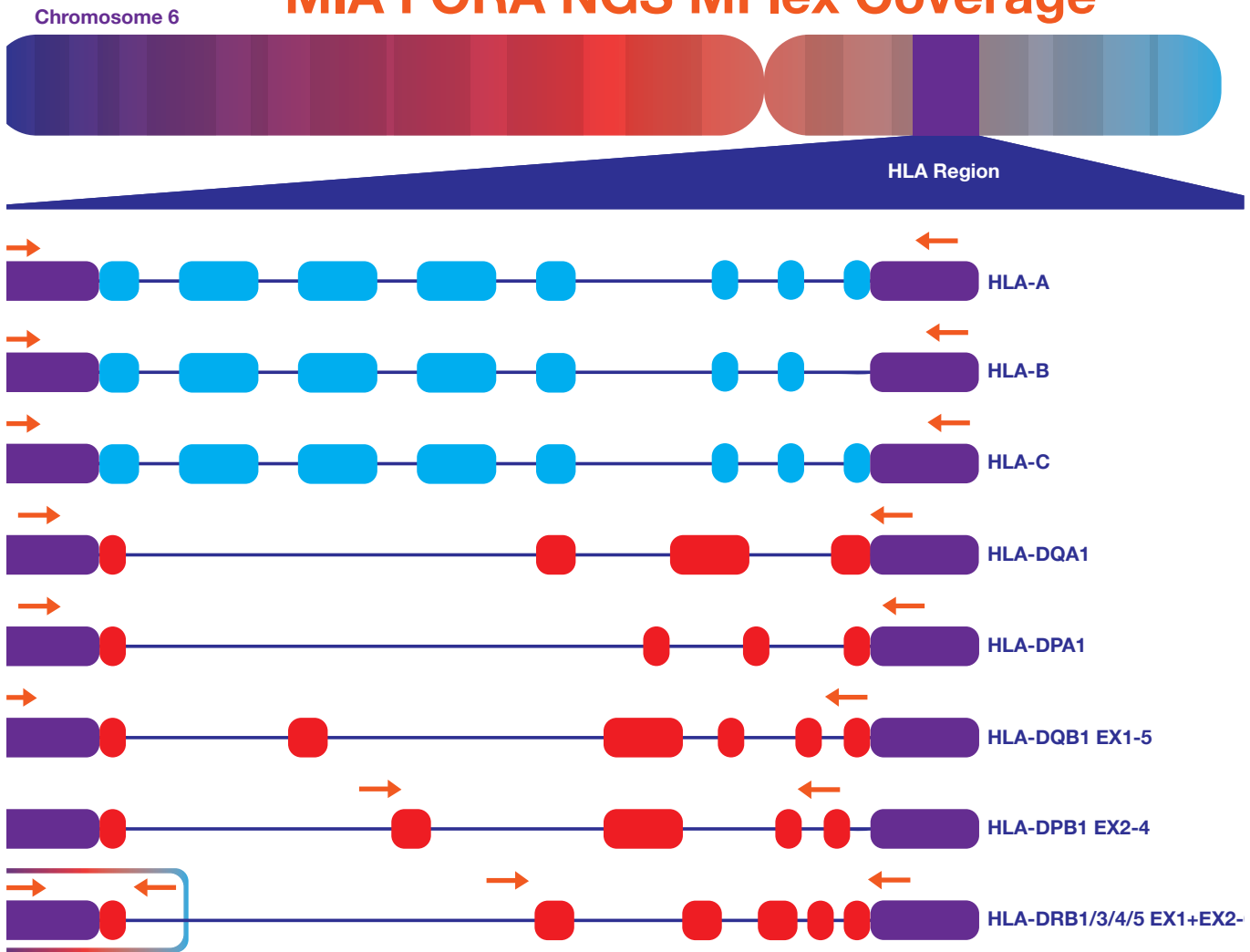The easy-to-use graphic interface provides a wealth of information at a glance.

Central Reads
Central read coverage was developed for HLA genotyping and quantifies the difference between two similar tiling patterns.

Linkage Disequilibrium
The MIA FORA NGS FLEX software provides a helpful built-in guide for reviewing Class 1 and Class 2 haplotypes.

MIA FORA
Genotyping
Algorithms

Phasing

Mapping

Dynamic
Phasing
Analysis
Algorithm*

Consensus
Algorithm*

Competitive
Alignment
Algorithm*

*Exclusive to MIA FORA NGS IP pending

MIA FORA NGS MFlex Coverage

Chromosome 6

HLA Region

HLA-A

HLA-B

HLA-C

HLA-DQA1

HLA-DPA1

HLA-DQB1 EX1-5

HLA-DPB1 EX2-4

HLA-DRB1/3/4/5 EX1+EX2-

IMMUCOR®

Transfuse | Transplant | Transform a **life**

MIA FORA NGS MFlex 11
24 Test/Kit: SR-800-00534-24*/SR-800-10534-24**
96 Test/Kit: SR-800-00534-96*/SR-800-10534-96**
1152 Test/Kit: SR-800-00534-1152*/SR-800-10534-1152**

MIA FORA NGS MFlex 6
24 Test/Kit: SR-800-00535-24*/SR-800-10535-24**
96 Test/Kit: SR-800-00535-96*/SR-800-10535-96**
1152 Test/Kit: SR-800-00535-1152*/SR-800-10535-1152**

*SR-800-00534, SR-800-00535— FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
**SR-800-10534, SR-800-10535— CE MARKED FOR IVD USE

For additional availability in other countries please contact your local sales representative or distributor.

Please contact your Immucor Sales Representative to schedule a demonstration.

www.immucor.com