

HOLOTYPE HLA[™]

Flexible, Unambiguous, Automated HLA Typing by NGS

FAST PROTOCOL

Pre-master mixed PCR reagents Sample to result in < 48 hours Lowest hands-on time

FLEXIBLE PRODUCT CONFIGURATIONS

5, 7, 11 or custom loci

SCALABLE 4-288 samples per run

AUTOMATED Pre-PCR, Post-PCR & Software Analysis

COMPREHENSIVE

Whole gene consensus sequences

RESEARCH USE ONLY

HLA TWIN[™] SOFTWARE

DUAL-ALGORITHM GENOTYPING SOFTWARE TO DELIVER THE MOST ACCURATE, HIGH THROUGHPUT HLA GENOTYPING RESULT





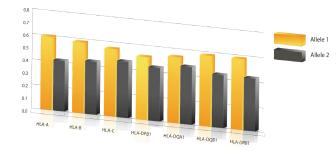
Confidence by checking every locus for every sample DRB, DQ Linkage Disequilibrium checks Complete Novel and Null allele detection Fully automated analysis after Illumina sequencing run Export genotyping results - HML, PDF, JSON, XLSX Integration with LIMS, such as Histotrac and mTilda Simple assignment and multi-layer approval workflows

DATA VISUALIZATION & STATISTICS HELPS TO TROUBLESHOOT AND INTERPRET ANY POTENTIAL QUALITY ISSUES BASED ON 24 QUALITY CONTROL METRICS

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TRAFFIC LIGHT SYSTEM





TECHNICAL REQUIREMENTS

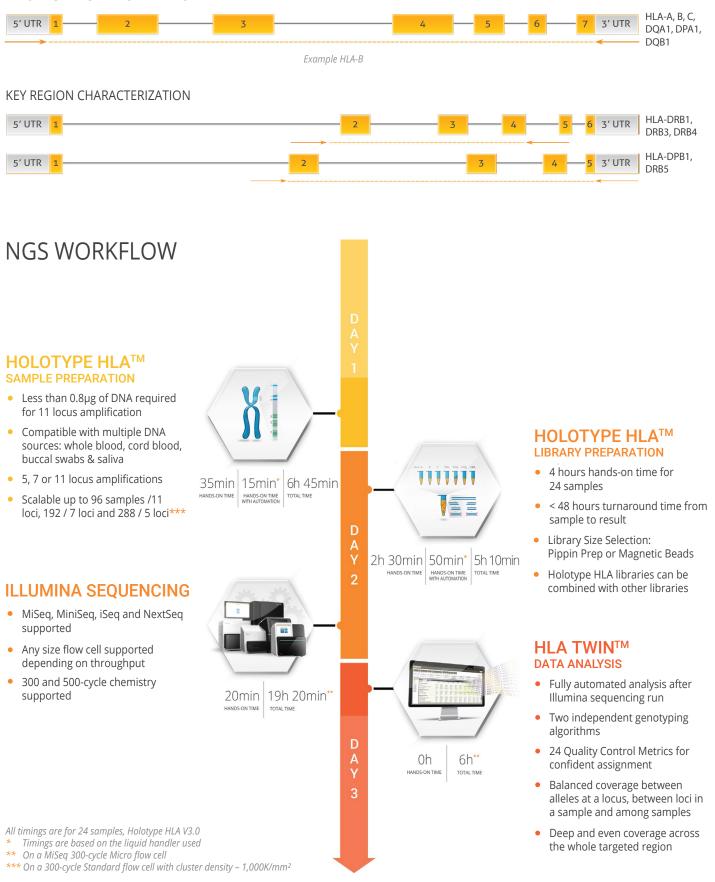
	DESKTOP	SERVER		CLIENT
		Typer Server	Reporting Server	
CPU		64-bit multi-core		
MEMORY (MIN)	32 GB	32 GB	16 GB	16 GB
OPERATION SYSTEM	Windows, Linux, macOS	Windows, Linux		Windows, Linux, macOS

HOLOTYPE HLA[™] ASSAY

LICENSED ASSAY FROM THE CHILDREN'S HOSPITAL OF PHILADELPHIA (CHOP) THAT PROVIDES AMPLIFICATION AND LIBRARY PREPARATION REAGENTS FOR COMPREHENSIVE ANALYSIS OF UP TO 11 HLA LOCI

GENE COVERAGE





HIGHLIGHTS

Simple workflow and technician-friendly protocol Fully phased whole gene consensus sequences Multiple safe stopping points **Pre-plated indexed adapters** Kit splitting and flexibility Elimination of error-prone pipetting steps

VALUE ADDED

- Pre-sales presentation & NGS cost analysis
- Site preparation

Onsite training

Validation / Accreditation assistance

- Ongoing support in clinical production

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- 24/7 remote support
- Center of Excellence program
- **Omixon Academy**

PRODUCT CONFIGURATIONS

KITS*	SAMPLES PER KIT	LOCI	INDEXES	SAMPLES PER RUN [*]
5 LOCI	96	ABC, DRB1, DQB1	4 x 24 sets, 3 x 96 sets	288
7 LOCI	24 & 96	5+ DPB1, DQA1	4 x 24 sets, 3 x 96 sets	192
11 LOCI	24 & 96	7+ DRB3/4/5, DPA1	4 x 24 sets, 3 x 96 sets	96
CUSTOM LOCI	24 & 96	variable	4 x 24 sets, 3 x 96 sets	variable

All kits are manufactured under ISO-13485

** On a MiSeq 300-cycle Standard flow cell with cluster density ~1,000K/mm²

HLA LABS 50+ CLINICAL ROUTINE, 20+ DISTRIBUTORS, 20+ USING CE-IVD, WORLD WIDE COVERAGE



Omixon

Phoenix, Houston, Baltimore, Boston, Barcelona, Prague, Budapest, Maastricht



(45+ Territories, 20+ Distributors) Albania, Algeria, Armenia, Australia, Belarus, Bosnia, Bulgaria, Brazil, China, Czech Republic, Egypt, Estonia, France, Georgia, Greece, Hong-Kong, India, Iraq, Israel, Italy, Japan, Kazakhstan, Kuwait, Kyrgyzstan, Latvia, Lebanon, Lithuania, Macedonia, Malaysia, Morocco, Oman, Portugal, Qatar, Romania, Russia, Saudi-Arabia, Serbia, Singapore, South-Korea, Spain, Sub-Sahara & Africa, Taiwan,

Thailand, Tunisia, Turkey, U.A.E., Uzbekistan, Vietnam

ISO

All Omixon activities covered by an ISO 13485:2016 & EN ISO 13485:2016 Quality Management System (QMS)