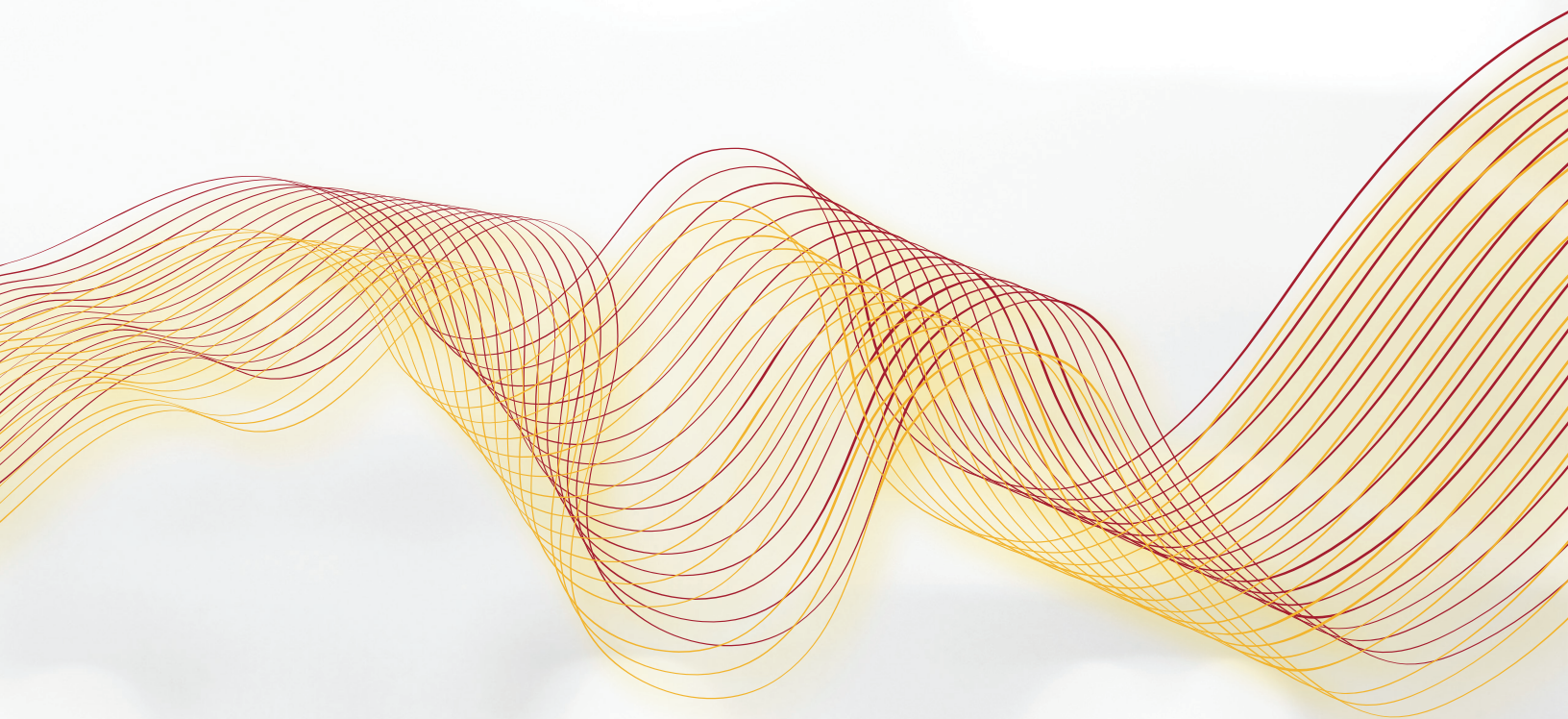


Build a Complete HLA Profile

Key Concepts & Comprehensive Solutions



Advancing Transplant Diagnostics

Introducing a comprehensive suite of typing and screening tools to provide you with impactful genotyping results, enhanced matching, extensive antibody testing, and easy epitope analysis. Leverage these technologies to build a complete profile.



ABO



Molecular



Antibody



Crossmatch



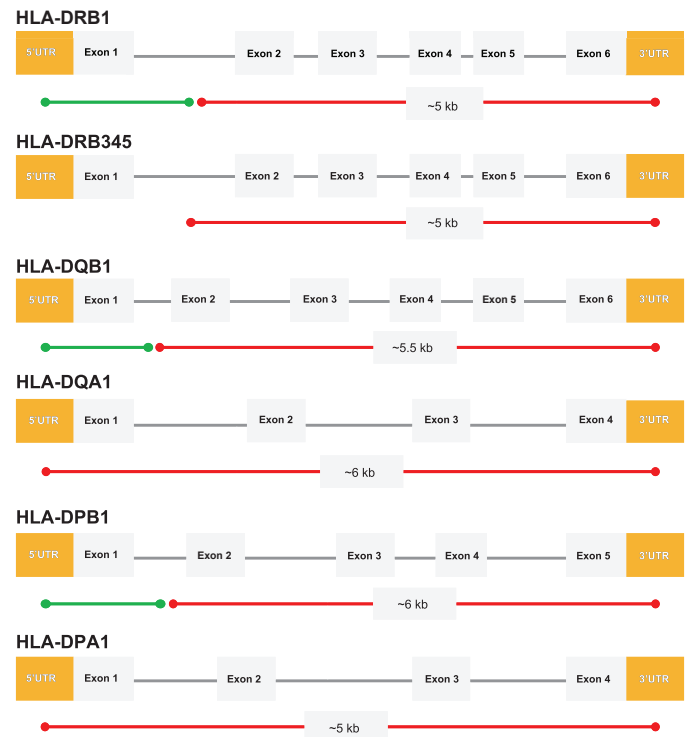
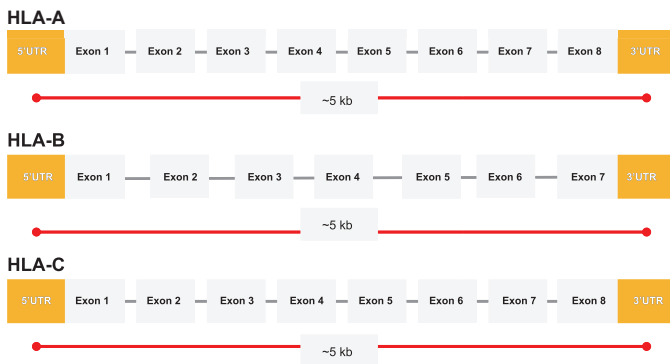
Revolutionize Your Workflow

AllType FASTplex | Next Generation Sequencing

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, the library preparation method employed by the AllType FASTplex NGS kit will allow libraries to be prepared for sequencing in less than three hours with as little as 90 minutes of hands-on time.

FEATURES

- Evaluates 11 HLA loci including exon 1 in one multiplex PCR reaction
- Combines fragmentation, barcode and adapter tagging into a single step
- Uses TypeStream™ Visual Software, a user-friendly solution that automatically initiates analysis without user intervention
- Integrates NGS results into HLA Fusion™ Software for advanced analytics



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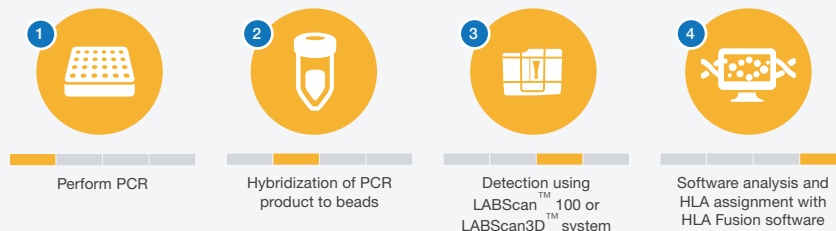
Traditional Standard for HLA Typing

LABType SSO Class I and Class II Typing

Well suited for low- and high-throughput laboratories, the LABType™ SSO Kits combines the robustness of reverse-SSO typing with the Luminex® platform. The assay allows for scaling the number of samples and the target loci on a per-run basis while generating an accurate result within hours. The LABType SSO kits are an ideal solution for labs that require flexibility, scalability and reliability in their typing assay with results the same day.

FEATURES

- Typing spans A, B, C, DRB1, DRB3, DRB4, DRB5, DQA1/DQB1, DPA1/DPB1 and KIR* loci
- Reduced testing time compared to a multi-well format assay
- Processing 96 samples at once dramatically reduces labor and reaction-to-reaction inconsistencies



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Flexibility in a Flash

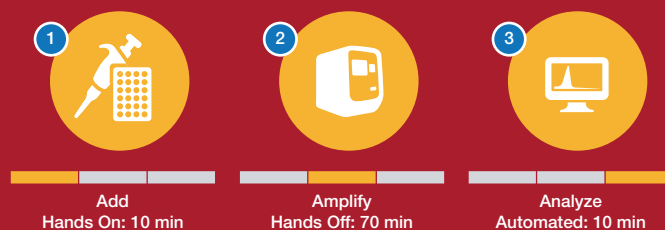
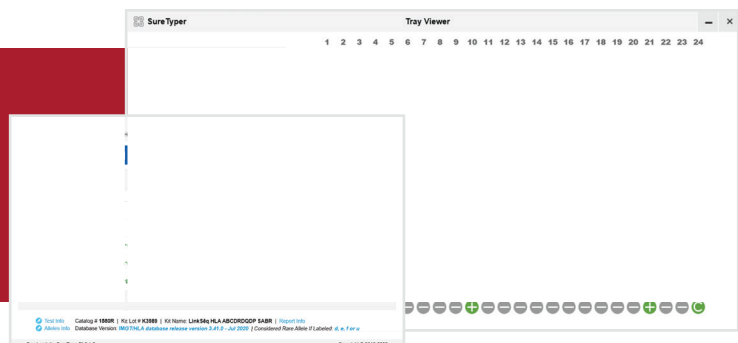
LinkSēq Real-Time PCR

Each lab is unique and has different needs. This is why our LinkSēq™ Typing Kits offer simplicity and speed along with a full menu of options that can be customized for your laboratory needs. Whether it's a kit for 11-loci, partial-locus, locus-specific or allele-specific testing, the LinkSēq products provide a broad range of flexibility.

FEATURES

- Achieve the resolution you need in only 90 minutes, and distinguish allele groups within the same antigen group or results at the serological level
- Gain flexibility for confirmatory and repeat testing with allele-specific, locus-specific or partial typing assays (3-9 loci)
- Realize a full product menu, including separate Class I and Class II products and HPA, KIR¹, B27¹, ABO¹ and genetic markers¹

¹ Kits RUO only (European Union, USA, and Canada)



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Define Your DSAs With Greater Confidence

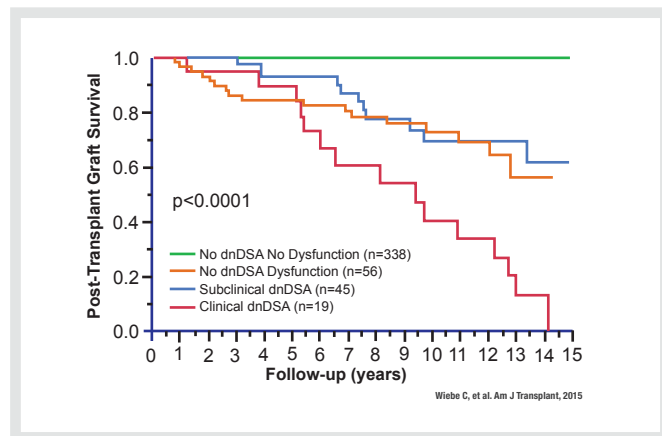
LABScreen Single Antigen Beads

Decades of clinical evidence have shown that HLA-specific antibodies may lead to hyperacute antibody-mediated rejection (ABMR). Today, ABMR remains a major challenge to graft survival, but detection of donor specific antibodies (DSA) is the best tool for monitoring post-transplant antibody development.

Studies have shown that LABScreen™ Single Antigen Beads are the most sensitive (Bertrand 2021) and help ensure HLA antibodies are not missed.

LABScreen Single Antigen Beads remain the worldwide leader for the detection of DSA.

For In Vitro Diagnostic Use.



LABScreen Single Antigen ExPlex Panel

Building on the trusted LABScreen Single Antigen platform, the ExPlex panel offers an extended HLA antibody panel in a single-well setup. These increased specificities may provide broader antibody data to evaluate eplet patterns and complement your molecular donor typing results for improved immunological risk assessment.

FEATURES

- Total of 151 Class I or 119 Class II CWD alleles in a single well
- Enhanced antibody coverage to better correlate with molecular typing
- Provides broader antibody reactivity data which aids in the evaluation of eplet patterns
- Same workflow as other products in the LABScreen portfolio

Class I

A			B				C	
A*01:02	A*02:10	A*26:02	B*07:14	B*15:21	B*39:06	B*42:02	C*01:03	C*08:04
A*02:05	A*02:18	A*26:03	B*15:04	B*15:24	B*39:13	B*48:02	C*02:10	C*12:02
A*02:07	A*03:02		B*15:06	B*15:27	B*40:03	B*50:02	C*04:03	C*14:03
			B*15:07	B*27:04	B*40:04	B*55:02	C*07:01	C*15:05
			B*15:17	B*27:06	B*40:05	B*55:04	C*07:04	C*16:02
			B*15:18	B*35:02	B*41:02	B*56:03	C*08:02	C*17:03
			B*15:20	B*35:03			C*08:03	C*18:01

Class II

DR		DR 3/4/5		DQ		DP	
DRB1*04:06	DRB1*08:07	DRB3*02:01		DQB1*03:19 / DQA1*02:01		DPB1*02:02 / DPA1*01:03	DPB1*40:01 / DPA1*01:05
DRB1*04:07	DRB1*13:02	DRB5*01:02		DQB1*05:03 / DQA1*01:01		DPB1*26:01 / DPA1*03:01	DPB1*85:01 / DPA1*01:03
DRB1*04:10	DRB1*14:04					DPB1*30:01 / DPA1*02:01	DPB1*105:01 / DPA1*02:01
DRB1*04:11	DRB1*14:05					DPB1*31:01 / DPA1*03:01	DPB1*107:01 / DPA1*02:01
DRB1*08:02	DRB1*14:06						
DRB1*08:03	DRB1*14:03						

For In Vitro Diagnostic Use.

Flow Cytometry for HLA Antibodies

FlowPRA

The FlowPRA™ product line offers screening, specific antibody and single antigen detection assays using flow cytometry.

Our FlowPRA Screening Test can be used as a first test to detect HLA antibodies and percent PRA in human sera using flow cytometry. Intended to detect HLA-specific antibodies for pre- and post-transplantation monitoring, this kit provides a comprehensive and accurate assay.

The FlowPRA Single Antigen Test is a practical option for identifying acceptable antigens for solid organ transplant as well as for pre- and post-transplant screening. Each bead is designed to react specifically to HLA Class I and HLA Class II antibodies that are distinguished by different fluorescent properties, leaving no concern for cross reactivity.

The FlowPRA Specific Test helps calculate percent PRA and identify specific HLA antibody with accuracy. Each test has a panel of 32 FlowPRA Specific Class I and Class II beads coated with different purified Class I or Class II antigens from human cell lines.



Save Time and Reduce Errors

Exclusive HistoTrac Software Integration

As part of our software portfolio, HistoTrac™ Software interacts bidirectionally with HLA Fusion and TypeStream Visual NGS softwares to easily review information in a single interface. With these integrated solutions, you can save time, reduce errors and streamline your testing workflows.



FEATURES

- Launch TypeStream Visual NGS and HLA Fusion applications from within HistoTrac software to easily review sample analysis
- Transfer test-level reports directly to HistoTrac software
- Transfer patient information from HistoTrac to HLA Fusion to facilitate use of the HLAMatchmaker algorithm and antibody tracking functionality

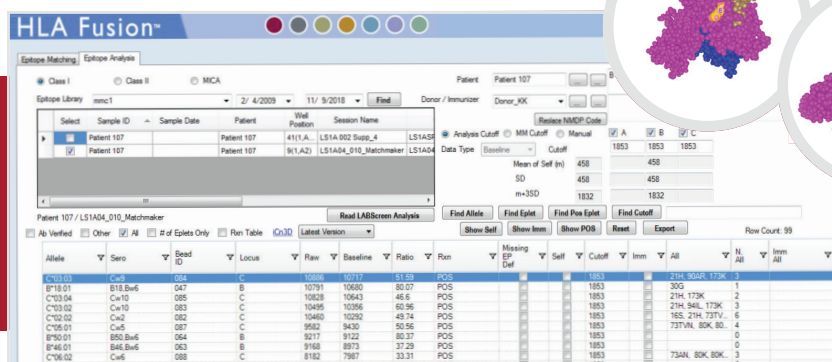
Explore Eplet Reaction Patterns

HLA Fusion Software Supports the HLAMatchmaker Algorithm

In collaboration with Dr. Duquesnoy, the HLA Fusion software incorporates the HLAMatchmaker algorithm, simplifying eplet analysis. Review HLA antibodies at the eplet level with a single click from the HLA Fusion screen.

FEATURES

- Review eplet patterns with the enhanced module
- Compare molecular typing data with eplet-level antibody results
- Use defined HLA antibody targets to investigate eplet reactivity

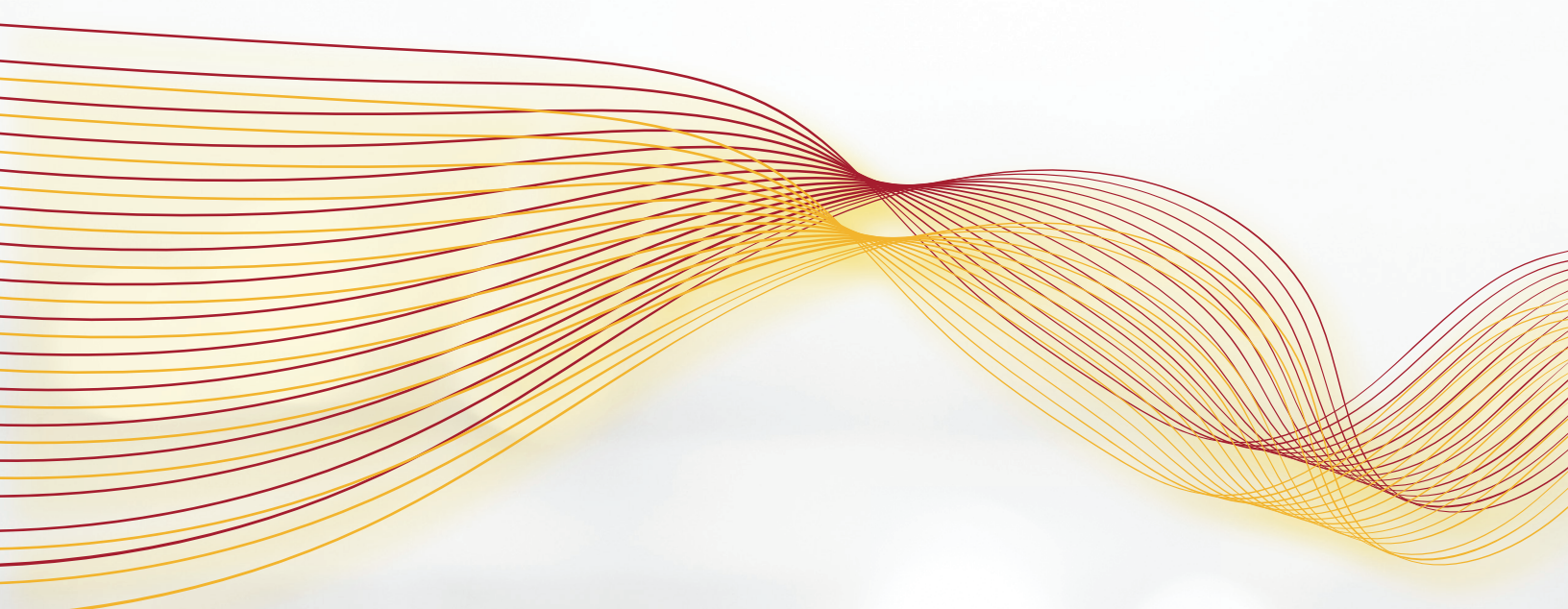


As part of Thermo Fisher Scientific, we offer products and services to advance the science of transplant diagnostics. Our solutions help transplant labs and clinical teams provide personalized care across the patient experience.

Dr. Paul Terasaki founded One Lambda™ in 1984 with the goal of developing tests to improve how laboratories match and monitor transplant recipients and donors. Since then, our HLA typing and antibody detection assays have been trusted by transplant laboratories worldwide. Clinicians also rely on data from our patient monitoring tests to make important decisions about post-transplant therapies.

Transplantation is life-changing for recipients, and clinical diagnostics play a vital role in supporting all phases of treatment. Through our commitment to scientific innovation, product quality, patient advocacy, and excellent customer service, we are helping the transplant community raise the standard of care and improve outcomes for patients and their families.

Visit thermofisher.com/onelambda.com to discover how we can help you improve patient outcomes.



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