

Lambda Antigen Tray™

Key Benefits

LAT and LAT Mixed

- Excellent signal to background ratio for clear and consistent results
- Detects either IgG or IgM antibodies
- Recognizes both cytotoxic and non-complement binding antibody
- Distinguishes between HLA Class I and Class II specificities
- Eliminates interference from non-HLA antibodies and auto-antibodies
- Convenient – Terasaki tray format requires smaller volume of reagents
- LAT ELISA results are comparable to CDC-AHG
- Specific – the LAT uses a pool of purified HLA Class I and II antigen
- Defined pool of antigens, including rare HLA alleles (in LAT M only)

LAT Single Antigen

Single Antigens are produced in human cell lines

- Identifies negative HLA alleles in high PRA patients
- Simplifies analysis of antibodies reactive to one or several dominant epitopes
- Replaces dilution and absorption as strategies for confirmation of specificity
- Clarifies ambiguous screening results



ELISA-based assays for screening and identification of HLA antibody

LAT Mixed Class I & II

The LAT Mixed assay is a cost-effective, ELISA-based pre-screening test that rapidly handles multiple samples on a single tray to detect the presence or absence of HLA antibodies. Its ease of use and reasonable price make it suitable for monthly post-transplant monitoring.

LAT Class I, Class II, & Class I & II

LAT assays detect HLA antibody. These tests not only determine percent PRA, but also allow identification of specific Class I and Class II antibodies.

LAT Class I Single Antigen

The LAT Single Antigen assay provides a unique solution to the dilemma presented by high PRA patients. In these patients, antibody reactive to one or more dominant epitopes can mask the presence of additional antibody specificities. Negative HLA alleles may not be detectable using a traditional cell or antigen panel. Use of single antigen panels for specificity detection may be the solution, because the usual strategy of diluting the sample to clarify the specificity may not be effective in these cases.

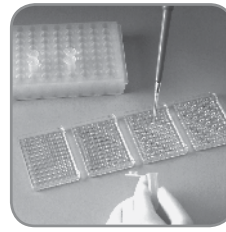
Three Solutions...

Lambda Antigen Trays (LAT) are designed for the detection of HLA IgG antibody and feature purified HLA Class I and Class II antigens in each well of a Terasaki-format tray. With the addition of patient serum, the antibodies bind with the purified HLA antigens. The panel of HLA antigens can detect IgG complement-binding and non-complement binding antibodies.

LAT Mixed assay is a cost-effective, HLA antibody pre-screening test that rapidly handles multiple samples on a single tray. The mixed tray contains a defined pool of antigens, including rare HLA coverage, and recognizes both cytotoxic and non-complement binding antibody. Its ease of use and reasonable price make it well suited for monthly patient antibody screens.



1 Dilute test samples.



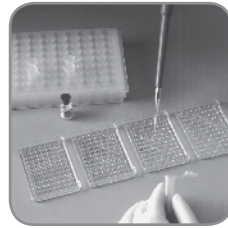
2 Add test samples to tray.



3 Incubate one hour. Wash and flick.



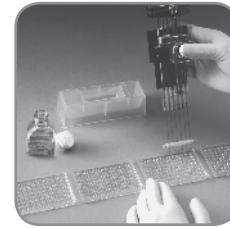
4 Dilute secondary antibody.



5 Add secondary antibody to tray.



6 Incubate 30 minutes. Wash and flick.




7 Add substrate. Incubate 15 minutes. Add stop reagent.



8 Read results.

Ordering Information

Product	Tests	Cat. No
For In Vitro Diagnostic Use. 		
LAT		
Lambda Antigen Tray™ Class I - 2 test	40 tests	LAT140X2
Lambda Antigen Tray™ Class I - 1 test	20 tests	LAT140
Lambda Antigen Tray™ Class II - 2 test	40 tests	LAT240
Lambda Antigen Tray™ Class I & II - 2 test	40 tests	LAT1240
Lambda Antigen Tray™ Class I & II	20 tests	LAT1288
LAT Mixed		
Lambda Antigen Tray™ - Mixed Class I	100 tests	LATM120
Lambda Antigen Tray™ - Mixed Class I & II	50 tests	LATM10X5
Lambda Antigen Tray™ - Mixed Class I & II	100 tests	LATM20X5
LAT Single Antigen		
Lambda Antigen Tray™ Single Antigen Class I	20 tests	LAT1HD
For Research Use Only. Not for use in diagnostic procedures.		
Equipment Bio-Tek® Microplate reader		ELX800NB

Find out more at onelambda.com

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 **ONE LAMBDA**

A Thermo Fisher Scientific Brand

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