

Lambda Cell Tray™

Frozen Cell Panels for PRA & HLA Antibody Screening

Key Benefits

- Extensive antigen coverage
- Multiple panel sizes (30, 60 & 72)
- Combine Lambda Cell Trays for larger cell panels
- One and one-half hour total test time for Class I; three hours total test time for Class II
- Accurate results
- Excellent viability
- Suited for dye exclusion and fluorescence method



Frozen Lymphocyte Panels for Cytotoxic Screening for HLA Antibodies

These trays are frozen cell panels designed for PRA and HLA antibody screening by complement-dependent cytotoxicity. They consist of panels of selected lymphocytes frozen onto Terasaki Tissue Trays, providing a diverse cell panel for cytotoxic screening of human sera. Class I panels are available in both 60 and 72 well formats.

Lambda Cell Trays™ (LCT)

In 1984, One Lambda became the first company in the world to freeze lymphocytes onto a Terasaki tray for the purpose of Panel Reactive Antibody (PRA) and HLA antibody screening. Today Lambda Cell Trays continue to lead the way with both selection and performance. LCT are frozen cell panels designed for PRA and HLA antibody screening by complement-dependent cytotoxicity (CDC). Class I and Class II panels are carefully constructed to assure maximum antigen coverage and are available in both 60 and 72 well formats.

Principle

Lymphocytes with known antigens are incubated with an unknown serum and rabbit complement. If the serum contains antibodies that are able to bind specifically to those antigens present on the lymphocyte surface, complement mediated cytotoxicity will occur. If the unknown serum contains HLA antibodies, they can be characterized.

Procedure



1 Thaw tray. Dispense McCoy's into each well.



2 Flick tray to remove DMSO.



3 Dispense oil into each well.



4 Dispense sera into each well, except control wells. Incubate* tray.




5 Dispense complement into each well. Incubate* tray again.



6 For Class I only, dispense stain/fixative into each well.

Incubation varies by class. Incubate Class I trays at 20-25°C. Incubate Class II trays at 37°C for one hour. Follow dispensing instructions then incubate at 20-25°C for 2 hours.

Ordering Information

Product	Tests	Cat. No
For In Vitro Diagnostic Use. (Unless otherwise stated) 		
Lambda Cell Tray™ 30 T Cell Panel	20 tests	LCT1W30
Lambda Cell Tray™ 60 T Cell Panel	10 tests	LCT1W60
Lambda Cell Tray™ 72 T Cell Panel	10 tests	LCT1W72

Find out more at onelambda.com

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