

# UCLA Immunogenetics center

2024

Proficiency Testing Programs





# About Us

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The UCLA Immunogenetics Center is a World Health Organization reference laboratory and is internationally renowned as a pioneer in Human Leukocyte Antigen (HLA) typing.

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Since 1974, our programs have continued to fulfill the need for proficiency testing in the field of Histocompatibility and Immunogenetics.

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**Program benefits include:**

Quality Control

Validation of methods and reagents

Educational Challenges

Standardization of classical and non-classical allele typing

# International Cell Exchange

**SERVICES:** PROFICIENCY TESTING FOR FLOW CROSSMATCH, MOLECULAR TYPING (HLA, KIR, MICA) AND ANTIBODY IDENTIFICATION

## Single Antigen, Flow and Virtual Crossmatch Exchange:

- ▶ Four - 500  $\mu$ l anti-HLA sera + Two - 9 ml whole blood samples sent 3 times/year (12 sera/6 cells total)
- ▶ Flow cytometric crossmatch and antibody identification (SAB)
- ▶ Virtual Paper Challenge - 6 virtual crossmatches per challenge

## INTERNATIONAL KIR AND MICA EXCHANGE

- Six - 100  $\mu$ l DNA samples for KIR and/or MICA genotyping sent 2 times/year (12 samples total)

## SERUM EXCHANGE

- Five - 500  $\mu$ l anti-HLA sera for class I/II antibody identification sent 3 times/year (15 samples total)

## B-CELL LINE EXCHANGE

- Two - 3 ml cultured B-cell line suspensions for class I/II DNA typing sent 6 times/year (12 cells total)





# INTERNATIONAL HLA DNA EXCHANGE

**SERVICES:** PROFICIENCY TESTING FOR CLASS I/II MOLECULAR TYPING

- 6 - 50  $\mu$ l DNA samples sent 4 times/year (24 samples total)
- High and low resolution grading (class I and class II typing)
- Reporting of HLA-E, -F, -G, -H, and MICB alleles (ungraded)
- Fulfills ASHI accreditation requirements for DNA proficiency testing
- Recognized by the European Federation for Immunogenetics (EFI) as an external proficiency provider

## UCLA DNA Reference Panel

**SERVICES:** REFERENCE DNA FOR HLA, KIR, AND MICA TYPING

- DNA extracts fully characterized and sequenced for class I and class II alleles. Panel sets are available in 24, 48, and 72 sample sets.
- Reference panels for KIR and MICA (24 samples each)
- NGS samples for blind testing for enhanced proficiency and customized sets

# Contact Us

**FOR CELL EXCHANGE INQUIRIES:**

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**FOR HLA DNA EXCHANGE AND REFERENCE  
PANEL INQUIRIES:**

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