



**AMERICAN SOCIETY FOR
HISTOCOMPATIBILITY AND IMMUNOGENETICS**

THE RECOGNIZED
LEADER IN CLINICAL
HISTOCOMPATIBILITY TESTING

2010 ASHI PROFICIENCY TESTING PROGRAM



ASHI is pleased to announce the 8th year of its comprehensive proficiency testing program.

- Our program utilizes the exchange of clinical-based samples to assess a laboratory's ability to accurately perform its analyses. These specimens are characterized by recognized experts in histocompatibility testing with oversight by ASHI's Proficiency Testing Committee.
- The 2010 ASHI Proficiency Testing Program will maintain its current survey categories, designed to emulate routine clinical testing: HLA Typing, HLA-B27 Detection, Engraftment Monitoring, and Antibody Screening/Crossmatching.
- Modular configuration of the surveys provides flexibility and cost savings.
- The 2010 surveys feature a user-friendly data submission Web site that makes the results entry easily executable.
- ASHI has developed a comprehensive web-based program including a design for summary reports. This year's reports will present data in a concise and informative fashion, with emphasis on the educational goals of the ASHI Proficiency Testing Program.
- As always, the program is designed to fully meet the latest ASHI standards for laboratory accreditation.
- ASHI is approved by the College of American Pathologists (CAP) as an alternative proficiency testing program provider for the HLA Typing, HLA-B27 Detection, and Antibody Screening/Crossmatching surveys. If your laboratory is accredited by CAP, ASHI is able to report your ASHI PT Survey Results directly to CAP. For further information, please contact Cecilia Blair at the ASHI central office at cblair@ahint.com.

FOUR PROFICIENCY TESTING CATEGORIES

MULTIPLE PACKAGES AVAILABLE

1. HLA TYPING FOR HLA-A, B, C, DR, DQ, DP

Three shipments annually, for a total of 15 whole blood specimens, are designed to assess laboratory performance in HLA typing by serological and/or molecular methods. Laboratories should subscribe to the module that corresponds to the type(s) of results the laboratory will be submitting for grading. Laboratories submitting only serological results should select the ST module; labs submitting only molecular results should select the MT module; labs submitting both serology and molecular results must select the HT module. If additional specimen volume is desired, one or more supplemental volume modules can be ordered (the HTS module cannot be ordered without also ordering either the ST, MT or HT module).

HLA TYPING		
	MODULE CODE	DESCRIPTION OF EACH SHIPMENT
Serological HLA Typing	ST	Five - 10 ml whole blood specimens
Molecular HLA Typing	MT	Five - 2.5 ml whole blood specimens
Serological and Molecular Typing	HT	Five - 10 ml whole blood specimens
Supplemental Specimen Volume	HTS	Five - 2.5 ml whole blood specimens

2. HLA-B27 DETECTION

Two shipments annually, for a total of 10 whole blood specimens, designed to assess laboratory performance in determining the presence or absence of HLA-B27 by lymphocytotoxicity, ELISA, flow cytometric and/or molecular methods.

HLA-B27 DETECTION		
	MODULE CODE	DESCRIPTION OF EACH SHIPMENT
HLA-B27 Detection	B27	Five 2-4 ml whole blood samples

3. ENGRAFTMENT MONITORING

Two shipments annually are designed for laboratories determining engraftment following bone marrow/stem cell transplantation and monitoring chimerism after organ transplantation. Each kit contains whole blood specimens from two different individuals and five admixtures of these cells.

ENGRAFTMENT MONITORING		
	MODULE CODE	DESCRIPTION OF EACH SHIPMENT
Engraftment Monitoring	EMO	Two 3 ml whole blood samples and five 1ml admixtures of these samples

4. SERUM SCREENING AND CROSSMATCHING FOR HLA ANTIBODY

Two shipments annually, for a total of 10 serum or recalcified plasma samples plus four whole blood specimens, are designed to assess laboratory performance in serum screening for PRA, HLA antibody identification (class I and class II), and crossmatching (T-cells and B-cells). This combination of specimens will result in 20 crossmatch challenges. Participants can choose to analyze survey specimens by any or all methods used in their laboratories. The basic module consists of 1.0 ml serum samples and 8 ml whole blood samples. If a subscriber requires greater volumes of serum or whole blood, the ACS and ACC modules can also be ordered (the ACS and ACC modules cannot be ordered without also ordering the AC module).

HLA ANTIBODY SCREENING/CROSSMATCHING

	MODULE CODE	DESCRIPTION OF EACH SHIPMENT
HLA Antibody Screening/ Crossmatching	AC	Five - 1.0ml serum samples Two - 8.0ml whole blood samples
Supplemental Serum Volume	ACS	Five - 0.5ml serum samples
Supplemental Whole Blood Volume	ACC	Two - 4.0ml whole blood samples

SHIPPING INFORMATION

- P.O. boxes are not acceptable for shipping addresses.
- Participant must include complete laboratory address, including building number and street name, in shipping address. An additional fee may be charged if the information is not complete.
- All survey kits will be shipped to addresses in the USA via next-day air service.
- All survey kits will be shipped to addresses outside the USA via international priority service.
- Additional information for international participants:
 - Each participant must obtain and complete any necessary documents for importation of non-hazardous human blood specimens for proficiency testing/medical research use.
 - Copies of all such documents must be forwarded to ASHI with the subscription information.
 - No replacements will be made for international shipments that are lost, delayed or refused entry into a country.
 - Due to the unstable nature of target cells, replacement specimens may not be available for serology-based surveys.
 - Duties and/or import taxes imposed by the importing country are the receiving laboratory's responsibility.

SHIPPING CHARGES

- For USA addresses, shipping charges are included in each module's price.
- For addresses outside the USA, there will be an additional international shipping charge.



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