Public Comment Proposal

Update Histocompatibility Bylaws

OPTN Histocompatibility Committee

Prepared by: Courtney Jett UNOS Policy Department

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Update Histocompatibility Bylaws

Affected Bylaws:	C.1: Histocompatibility Laboratory Compliance
	C.2: Facilities and Resources
	C.3: Histocompatibility Laboratory Key Personnel
	C.4: Laboratory Coverage Plan
	C.5: Changes in Key Laboratory Personnel
	C.6: Histocompatibility Laboratory Policies and Procedures
	C.7: Histocompatibility Laboratory Testing Requirements
	C.8: Inactivation and Withdrawal of OPTN Membership
Sponsoring Committee:	Histocompatibility
Public Comment Period:	July 31, 2024—September 24, 2024

Executive Summary

The OPTN Histocompatibility Committee is seeking to update and clarify the histocompatibility laboratory bylaws, as well as align them with Clinical Laboratory Improvements Act (CLIA) regulatory updates for histocompatibility labs being implemented in December 2024.¹ The Committee is proposing the following areas of change:

- Allow multiple OPTN-approved laboratory directors at a histocompatibility lab, with one primary laboratory director responsible for OPTN operations
- Update laboratory director education and training requirements to align with CLIA regulations
- Clarify and expand requirements for laboratory agreements with transplant hospitals and organ procurement organizations (OPOs)
- Modify required personnel and add a primary data coordinator to act as the point of contact for the OPTN
- Update laboratory subcontracting requirements and remove requirement for the laboratory director to review and approve all subcontracting results before release
- Expand inactivation and withdrawal notification requirements
- Remove requirements that are redundant to other existing regulatory requirements for labs and clarify language

The Committee is seeking the following feedback from the community:

- Should OPTN laboratory director education and training requirements be more stringent than CLIA, or align with CLIA regulations as proposed?
- Is the patient community comfortable with these proposed changes?
- Are the components required within the transplant program and OPO laboratory agreements sufficient and clear?
- Should the Committee consider proposing a minimum number of cases a laboratory director must review per year for a future proposal?
- Should the Committee consider expanding required General Supervisor qualifications for a future proposal?

¹ Centers for Medicare and Medicaid Services, *Clinical Laboratory Improvement Amendments of 1988 (CLIA) Fees; Histocompatibility, Personnel, and Alternative Sanctions for Certificate of Waiver Laboratories*. Federal Register, 12/28/2023. https://www.federalregister.gov/documents/2023/12/28/2023-28170/clinical-laboratory-improvement-amendments-of-1988clia-fees-histocompatibility-personnel-and.

Purpose

The goal of this proposal is to clarify and update histocompatibility bylaws as well as align with upcoming CLIA regulatory changes. The Committee is proposing the following areas of change:

- Allow multiple OPTN-approved laboratory directors at a histocompatibility lab, with one primary laboratory director responsible for OPTN operations
- Update laboratory director education and training requirements to align with CLIA regulations
- Clarify and expand requirements for laboratory agreements with transplant hospitals and organ procurement organizations (OPOs)
- Modify required personnel and add a primary data coordinator to act as the point of contact for the OPTN
- Update laboratory subcontracting requirements and remove requirement for the laboratory director to review and approve all subcontracting results before release
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- Remove requirements that are redundant to other existing regulatory requirements for labs and clarify language

Background

The Membership and Professional Standards (MPSC) Histocompatibility Subcommittee began work on this proposal in January 2020, and met five times to develop proposed changes. Draft language was presented to the Histocompatibility Committee in March 2020, who provided feedback and were supportive of the project. The full MPSC Committee reviewed the proposed changes in May 2020 and endorsed the initial draft language. The project was put on temporary hold while awaiting other regulatory changes that impact proposed changes. In December 2023, the Centers for Medicare and Medicaid Services (CMS) published a final rule updating CLIA regulations, with an effective date of December 28, 2024.² In order to update and align the histocompatibility bylaws with CLIA regulations, the OPTN Histocompatibility Committee began work again on the project, with the approval of the MPSC, and revised the developed language for release for public comment. The proposed changes were reviewed again with the MPSC and endorsed by both the MPSC and Histocompatibility Committee in May 2024.

Overview of Proposal

Multiple OPTN-Approved Laboratory Directors

The Committee is proposing allowing multiple laboratory directors per laboratory to become OPTNapproved, while still requiring one director to serve in the primary role. Currently, the OPTN only approves a primary laboratory director, and all others must be approved as technical supervisors or clinical consultants. Accrediting bodies currently approve multiple laboratory directors per laboratory. This causes confusion when a non-primary director transitions to a new lab and fulfills the role of primary with the OPTN for this first time, as they are now required to complete the full application

² Centers for Medicare and Medicaid Services, *Clinical Laboratory Improvement Amendments of 1988 (CLIA) Fees; Histocompatibility, Personnel, and Alternative Sanctions for Certificate of Waiver Laboratories*. Federal Register, 12/28/2023. https://www.federalregister.gov/documents/2023/12/28/2023-28170/clinical-laboratory-improvement-amendments-of-1988clia-fees-histocompatibility-personnel-and.

process, which includes submitting a portfolio of 50 cases covered during the five years prior to the date of application. This proposal will allow any individual who fulfills the requirements of a director to submit an application to the OPTN and become approved as an OPTN laboratory director. While the individual will still need to submit a key personnel application when transitioning labs, they will not need to submit a full portfolio of cases after their first application is completed.

Laboratory Director Education and Training

The Final Rule updating CLIA increased the stringency and complexity of histocompatibility laboratory director training requirements. Due to existing external regulatory requirements, all laboratory directors must already follow the CLIA requirements for qualifications. Part of the qualifications require that laboratory directors must be certified by a board approved by the US Department of Health and Human Services (HHS) in order to direct a high complexity laboratory, and all histocompatibility laboratories are by definition high complexity laboratories.³ When discussing the need for alternate pathways or increased stringency beyond CLIA's existing requirements, the Committee felt that CLIA's requirements for laboratory directors were sufficient. In addition, this will reduce the need to have future proposals to align with future CLIA updates.

Laboratory Agreements with Transplant Hospitals

Laboratories are required to have written agreements with every transplant program they serve, unless clinical urgency prevents such an agreement. These agreements outline expectations of the laboratory and transplant programs, including expected procedures. Current OPTN *Bylaw C.2.C: Transplant Program Affiliation* contains a list of required items that must be included in an agreement. Proposed changes organize the requirements into four named categories: HLA typing requirements, crossmatching requirements, antibody screening, and blood type verification. Most proposed changes reflect re-organized and clarified requirements. Any new or amended requirements are described in the appropriate category.

HLA Typing Requirements

The majority of HLA Typing Requirements to include in the transplant program agreement were simply re-organized and clarified. However, the Committee did add notification to the transplant program if expected turnaround time will be exceeded. A crosswalk of the existing and proposed requirements is in **Table 1**.

Table 1: HLA Typing Requirements, Transplant Program Agreements

Existing Requirement	Proposed Requirement
1. The sample requirements for typing and	Sample requirements
crossmatching.	

³ 42 CFR §493.1443.

Existing Requirement	Proposed Requirement
2. The loci and level of resolution typed.	Loci and level of resolution typed
 3. A process for reporting and verifying HLA and unacceptable antigen data at the time of registration on the waiting list and any time there are changes. 4. A process for reporting HLA typing results to the OPTN Contractor. 	Process for reporting of HLA results to the OPTN and verification of results, including verification if changes occur
5. The maximum turnaround time from receipt of sample to reporting of results to the transplant program.	Expected turnaround time from receipt of sample to reporting results to the transplant program and process of notification if turnaround time is going to be exceeded
6. A process for resolving HLA typing discrepancies and errors.	Process for resolving discrepancies and errors

Crossmatching Requirements

The majority of Crossmatching Requirements to include in the transplant program agreement were simply re-organized and clarified. However, the Committee proposes distinguishing between physical and virtual crossmatching, adding a process for reporting of crossmatching results, and adding a notification to the transplant program if the expected turnaround time will be exceeded. A crosswalk of the existing and proposed requirements is in **Table 2**.

Existing Requirement	Proposed Requirement
1. The sample requirements for typing and	Sample requirements for both donors and
crossmatching.	recipients
11. The criteria for crossmatching.	Methodology and criteria for physical
12. The assay format that will be used for	crossmatching
antibody screening and for crossmatching.	
11. The criteria for crossmatching.	Criteria for virtual crossmatching, if performed
8. A process to obtain sensitization history for	Process to obtain sensitization history for each
each patient.	patient
N/A	Process for reporting of physical or virtual
	crossmatching results to the transplant hospital
	and verification of results, including verification if
	changes occur
7. The maximum turnaround time from receipt	Expected turnaround time from receipt of sample
of sample to reporting of results to the	to reporting results to the transplant program and
transplant program.	process of notification if turnaround time is going
	to be exceeded

Antibody Screening

The majority of Crossmatching Requirements to include in the transplant program agreement were simply re-organized and clarified. However, the Committee proposes adding sample requirements and a notification to the transplant program if expected turnaround time will be exceeded. A crosswalk of the existing and proposed requirements is in **Table 3**.

Existing Requirement	Proposed Requirement
N/A	Sample requirements
12. The assay format that will be used for	Methodology
antibody screening and for crossmatching.	
9. The frequency of periodic sample collection.	Frequency of sample collection
10. The frequency of antibody screenings.	Frequency of antibody screenings
13. The criteria for determining unacceptable	Criteria for determining unacceptable antigens
antigens used during organ allocation.	used during organ allocation
4. A process for reporting and verifying HLA and	Process for reporting unacceptable antigens to the
unacceptable antigen data at the time of	OPTN and verifying unacceptable antigen data at
registration on the waiting list and any time	time of registration and if changes occur
there are changes.	
7. The maximum turnaround time from receipt	Expected turnaround time from receipt of sample
of sample to reporting of results to the	to reporting results to the transplant program and
transplant program.	process of notification if turnaround time is going
	to be exceeded
17. If post-transplant monitoring is performed,	If post-transplant monitoring is performed, include
then a protocol for monitoring antibody levels.	protocol for monitoring donor-specific antibodies.
15. If desensitization will be performed, then a	If desensitization is performed, include protocol
protocol for monitoring antibody levels.	for monitoring antibody testing and reporting

Blood Type Verification

If a laboratory registers candidates for the transplant program, the agreement is also required to include a process for blood type verification according to OPTN *Policy 3.3: Candidate Blood Type Determination and Reporting before Waiting List Registration*. This requirement is unchanged, but moved into its own section.

Removed Requirements

The Committee is proposing to remove the requirement for the process of requesting extended HLA typing. HLA typing requirements already contain the loci and level of resolution typed, and transplant programs may already request additional testing outside of the lab's standard protocols.

The Committee is also proposing to remove the requirement for the duration for which specimens need to be stored for repeat or future testing. Histocompatibility labs are not required to store candidate or recipient specimens for repeat or future histocompatibility testing.

Laboratory Agreements with OPOs

Laboratories are required to have written agreements with every OPO they serve, unless clinical urgency prevents such an agreement. These agreements outline expectations of the laboratory and OPO, including expected procedures. OPTN *Bylaw: C.2.D OPO Affiliation* lists the requirements that must be included in agreements with OPOs. Proposed changes organize the requirements into three named categories: HLA typing requirements, crossmatching requirements, and donor specimen storage requirements. Most of the proposed changes required for inclusion in an OPO agreement reflect reorganized and clarified requirements. Any new or amended requirements are described in the appropriate category.

HLA Typing Requirements

The majority of HLA typing requirements that must be included in the OPO program agreement were simply re-organized and clarified. However, the Committee proposes adding a notification to the OPO if expected turnaround time will be exceeded. A crosswalk of the existing and proposed requirements is in **Table 4**.

Existing Requirement	Proposed Requirement
1. The sample requirements for typing and	Sample requirements
crossmatching.	
2. The loci and level of resolution typed.	Loci and level of resolution typed
4. A process for verifying and reporting HLA	Process for verifying and reporting results to the
typing results to the OPTN Contractor.	OPO and the OPTN
6. The maximum turnaround time from receipt	Expected turnaround time from receipt of donor
of donor sample to reporting of results to the	sample to reporting results to the OPO and process
OPO.	of notification if turnaround time is going to be
	exceeded
5. A process for resolving HLA typing	Process for resolving discrepancies and errors
discrepancies and errors.	

Table 4: HLA Typing Requirements, OPO Agreements

Crossmatching Requirements

The majority of crossmatching requirements to include in the OPO program agreement were simply reorganized and clarified. However, the Committee proposes adding a notification to the OPO if expected turnaround time will be exceeded, as well as verification of crossmatching results including verification if changes occur. A crosswalk of the existing and proposed requirements is in **Table 5**.

Existing Requirement	Proposed Requirement
1. The sample requirements for typing and	Sample requirements for both donors and recipients
crossmatching.	
9. If the OPO performs crossmatching, then all	If OPO-contracted laboratory performs
methods used for crossmatching and the	crossmatching, methodology and criteria for
interpretation and reporting of the results.	physical crossmatching as well as interpretation and
	reporting of results.
9. If the OPO performs crossmatching, then all	Process for reporting of crossmatching results to the
methods used for crossmatching and the	OPO or transplant hospital and verification of
interpretation and reporting of the results.	results, including verification if changes occur
6. The maximum turnaround time from	Expected turnaround time from receipt of donor
receipt of donor sample to reporting of results	sample to reporting results to the OPO and process
to the OPO.	of notification if turnaround time is going to be
	exceeded

Table 5: Crossmatching Requirements, OPO Agreements

Donor Specimen Storage Requirements

OPTN *Policy 4.9: Preservation of Excess Specimens* requires that "If a laboratory performs testing to determine histocompatibility between a donor and recipient, then the laboratory must preserve enough specimen from the deceased donor to perform subsequent testing for at least five years after the transplant." Current bylaws require that an OPO agreement with a laboratory include the length of time for which donor specimens are required to be stored for repeat or future testing. The Committee is proposing no change to this requirement, simply organizing it in its own section for clarity.

Removed Requirements

The Committee is proposing to remove the requirement for the process of requesting extended HLA typing. HLA typing requirements already contain the loci and level of resolution typed, and OPOs may already request additional testing outside of the lab's standard protocols.

The Committee is also proposing to remove the requirement for a process for prioritizing donors for histocompatibility testing. The agreement is already required to contain the expected turnaround time for both HLA typing and crossmatching, as well as notification if that turnaround time is going to be exceeded.

Required Personnel and Primary Data Coordinator Role

Current OPTN Bylaws for histocompatibility laboratory key personnel outline qualifications for histocompatibility technologists. The existing requirements are that the technologist must meet the qualifications within CLIA, for testing personnel qualifications for a laboratory performing high complexity testing, as well as have had one year of supervised experience in human histocompatibility or transplant immunology testing, regardless of academic degree or other training and experience.⁴ The Committee is proposing to remove histocompatibility technologist qualifications from the OPTN Bylaws.

^{4 42} CFR §493.1489.

Laboratories would still need to comply with the qualifications required under CLIA for testing personnel qualifications for a laboratory performing high complexity testing ⁵, but technologists would no longer be required to have one year of supervised testing experience. When discussing removing this requirement, the MPSC subcommittee had felt that competency testing and education already required by CLIA and accrediting bodies was sufficient for patient safety. The Histocompatibility Committee concurred with this assessment.⁶

The Committee is proposing the addition of a primary data coordinator role under personnel requirements, at the request of the MPSC, as they are proposing this role for OPOs and transplant hospitals in a separate proposal. This also reflects existing practice at OPOs and transplant hospitals. The primary data coordinator will serve as the point of contact for questions and communications from the OPTN on data submission. This role may be filled by an existing staff member, who may have another primary role. The primary data coordinator will be required to be reported to the OPTN, and there will be a transition period while the names of the individuals filling this role are gathered.

The Committee discussed the potential for additional qualifications for general supervisors. Current OPTN Bylaws require that a general supervisor meets the qualifications within CLIA, for general supervisor qualifications for a laboratory performing high complexity testing⁷. In addition, the general supervisor must have at least three years of experience in human histocompatibility or transplant immunology testing under the supervision of a qualified histocompatibility laboratory director or technical supervisor. The Committee was considering whether there needed to be additional specifics or requirements around required experience for a general supervisor included in a future proposal and welcomes community feedback on that topic.

Laboratory Subcontracting Requirements

Current OPTN Bylaws require that if a laboratory refers testing to another laboratory, the subcontracting laboratory must be CLIA-certified, unless exempt, and OPTN-approved. As all OPTN-approved laboratories are already required to be CLIA-certified, unless exempt, this requirement was duplicative and the Committee is proposing to remove it. In addition, the Committee is proposing to remove the requirement for the primary laboratory director to review and approve all test results returned from the subcontracting laboratory before release, as the results already must be reviewed by the OPTN-approved subcontracting laboratory director and the additional approval confers no additional patient safety. In addition, current bylaws require that the identity of the subcontracting laboratory and the portion of that testing for which it bears responsibility must be noted in the report of the histocompatibility laboratory location where the test was performed.⁸ In addition, current bylaws requires that all test information maintained as part of the patient's chart or medical record must be readily available to the laboratory.⁹ As both of these bylaws requirements are duplicative of existing CLIA requirements, the Committee is proposing to remove them.

^{5 42} CFR §493.

⁶ See OPTN Histocompatibility Committee meeting summary, May 28, 2024, available at https://optn.transplant.hrsa.gov/about/committees/histocompatibility-committee/.

⁷ 42 CFR §493.1461.

⁸ 42 CFR §493.1291(c)(2).

⁹ 42 CFR §493.1291(b).

Laboratory Inactivation and Withdrawal Notification Requirements

Current OPTN Bylaws for laboratory inactivation only require that if a laboratory is voluntarily inactive, declared inactive, or withdraws from OPTN membership, they will be ineligible and may not provide histocompatibility testing to any OPTN members. There is currently no notification requirement to the OPTN or OPTN members that a laboratory serves upon inactivation or withdrawal. The Committee is proposing that labs that are unable to provide testing for 15 or more days voluntarily inactivate, for a period of up to 12 months, which could be extended upon request. The Committee is also proposing a requirement for inactive laboratories to notify all members they are contracted with within 7 days after inactivation, and provide an example of the notice sent and a list of all members to whom the notice was sent to the OPTN. The Committee is proposing that laboratories that withdraw membership notify contracted members and the OPTN at least 30 days prior to the anticipated date of withdrawal, as well as provide an example of the notice sent and a list of all members to whom the notice was sent to the OPTN.

Remove Redundant Requirements and Clarify Language

The Committee is proposing removing requirements that are redundant to other regulatory requirements, as well as some clarifying language. For example, the requirements within the current OPTN *Bylaw C.2.A: Facilities* are duplicative of but less comprehensive than laboratory facility requirements within CLIA. Another proposed removal is the current OPTN *Bylaw C.2.B: Records Access*, which requires laboratories to be able to immediately access candidate, recipient, and donor records onsite. This requirement is already contained within both CLIA and the Health Information Technology for Economic and Clinical Health (HITECH) Act.¹⁰ However, the largest proposed removal is the removal of criteria for a mandatory performance review and information required from laboratories with unsatisfactory performance. Member Reviews and Actions are already covered by OPTN *Bylaws Appendix L*, which provides the MPSC with more review and information request abilities than are contained within the histocompatibility laboratory bylaw.

NOTA and Final Rule Analysis

The Committee submits this proposal under the authority of the National Organ Transplant Act (NOTA) which requires the OPTN to "establish membership criteria...and provide to members of the public an opportunity to comment with respect to such criteria."¹¹ This proposal reviews membership criteria for histocompatibility laboratory members.

Implementation Considerations

Member and OPTN Operations

Operations affecting Histocompatibility Laboratories

Histocompatibility laboratories will need to be aware of the new requirements, and personnel may require training. Laboratories will need to evaluate their transplant hospital and OPO agreements to

¹⁰ 42 U.S.C. §201.

^{11 42} USC §274(b)(2)(B).

ensure they meet the new requirements. Histocompatibility laboratories may also choose to submit additional laboratory director applications, but are not required to do so.

Operations affecting Organ Procurement Organizations

OPOs may need to alter their agreements with laboratories if they do not meet the new requirements.

Operations affecting Transplant Hospitals

Transplant hospitals may need to alter their agreements with laboratories if they do not meet the new requirements.

Operations affecting the OPTN

The OPTN may need to alter laboratory key personnel forms, as well as the processing of reviewing new laboratory directors. There may be an increase in the number of laboratory director applications to review, should laboratories choose to submit additional directors.

This proposal requires the submission of official OPTN data that are not presently collected by the OPTN. The OPTN has agreed that data collected pursuant to the OPTN's regulatory requirements in §121.11 of the OPTN Final Rule will be collected through OMB approved data collection forms. Therefore, after OPTN Board approval, the forms will be submitted for OMB approval under the Paperwork Reduction Act of 1995. This will require a revision of the OMB-approved data collection instruments, which may impact the implementation timeline.

Projected Fiscal Impact

Projected Impact on OPTN Members

There is no anticipated fiscal impact for organ procurement organizations or transplant hospitals. There is no anticipated fiscal impact for histocompatibility laboratories. Impacts related to the overall implementation of CLIA regulations are estimated in the Federal Register Final Rule notice.¹²

Projected Impact on the OPTN

It is estimated that 248 hours (\$14,723) would be needed to implement this proposal. Implementation would involve reviewing and preparing implementation communications and educational materials, updating external facing member forms and templates, and updating the Evaluation Plan. Additionally, an increase in member engagement leading up to implementation is expected. It is estimated that 280 hours (\$13,775) will be needed for ongoing support. Ongoing support includes the review of additional histocompatibility laboratory directors key personnel applications with the new ability to have multiple lab directors. In addition, ongoing support includes consulting on member questions, evaluation and monitoring of data, and follow-up.

¹² Centers for Medicare and Medicaid Services, *Clinical Laboratory Improvement Amendments of 1988 (CLIA) Fees; Histocompatibility, Personnel, and Alternative Sanctions for Certificate of Waiver Laboratories*. Federal Register, 12/28/2023. https://www.federalregister.gov/documents/2023/12/28/2023-28170/clinical-laboratory-improvement-amendments-of-1988clia-fees-histocompatibility-personnel-and.

Post-implementation Monitoring

Member Compliance

Although the requirements of histocompatibility labs for membership to the OPTN have changed, the process for OPTN review of applications for membership remains the same and the responsibilities for applicants to submit a complete application will not change. The detailed application process will be made available on the OPTN website on the compliance and evaluation page.

The OPTN Contractor will collaborate with accrediting bodies to ensure standards are maintained. If a histocompatibility laboratory is found to be out of compliance, the MPSC will work with the member to help it come into compliance with the bylaw requirements. Members who are currently in compliance with OPTN Bylaw requirements will not need to reaffirm compliance to the new Bylaws. Members who submit new applications will be required to meet the new Bylaws, once implemented.

Policy Evaluation

Changes to bylaws will be monitored as requested by the Histocompatibility Committee.

Conclusion

The goal of this proposal is to clarify and update histocompatibility bylaws as well as align with upcoming CLIA changes.

The Committee is proposing the following areas of change:

- Allow multiple OPTN-approved laboratory directors at a histocompatibility lab, with one primary laboratory director responsible for OPTN operations
- Update laboratory director education and training requirements to align with CLIA regulations
- Clarify and expand requirements for laboratory agreements with transplant hospitals and organ procurement organizations (OPOs)
- Modify required personnel and add a primary data coordinator to act as the point of contact for the OPTN
- Update laboratory subcontracting requirements and remove requirement for the laboratory director to review and approve all subcontracting results before release
- Expand inactivation and withdrawal notification requirements
- Remove requirements that are redundant to other existing regulatory requirements for labs and clarify language

Considerations for the Community

- Should OPTN laboratory director education and training requirements be more stringent than CLIA, or align with CLIA regulations as proposed?
- Is the patient community comfortable with these proposed changes?
- Are the components required within the transplant program and OPO laboratory agreements sufficient and clear?
- Should the Committee consider proposing a minimum number of cases a laboratory director must review per year for a future proposal?
- Should the Committee consider expanding required General Supervisor qualifications for a future proposal?

Bylaws Language

Proposed new language is underlined (<u>example</u>) and language that is proposed for removal is struck through (example). Heading numbers, table and figure captions, and cross-references affected by the numbering of these policies will be updated as necessary.

Appendix C: Membership Requirements for Histocompatibility

2 Laboratories

3	C.1	Histocompatibility Laboratory Compliance		
4 5 6		Each By accepting membership in the OPTN, histocompatibility laboratory members must comply with all OPTN Obligations according to <i>Article 1.1.E: Member Compliance</i> and <u>must meet</u> both of the following:		
7				
8 9 10		 The requirements in the Clinical Laboratory Improvement Amendments (CLIA) at 42 CFR § 493.1278 <u>Standard: Histocompatibility</u>, unless exempt. <u>Laboratories that are exempt due to</u> being in state that is exempt from CLIA must meet the requirements for state licensure 		
11		including standards for histocompatibility.		
12 13 14		2. The requirements as they apply to solid organ and islet transplantation, of the American Society for Histocompatibility and Immunogenetics (ASHI) 2013 Revised Standards for Accredited Laboratories, or the College of American Pathologists (CAP) Histocompatibility		
15		Checklist, Laboratory General Checklist, Flow Cytometry Checklist, and Team Leader		
16 17 18		Assessment of Director and Quality Checklist as of April 21, 2014. This requirement does not mandate membership in either ASHI or CAP.		
19 20 21 22 23		If any regulatory agency takes a final adverse action against a histocompatibility laboratory, the laboratory must notify the OPTN Contractor in writing within 10 business days. The histocompatibility laboratory must also provide all documents relating to the final adverse action to the OPTN Contractor .		
23 24		The histocompatibility laboratory must notify the OPTN of any change in location or address of		
25 26		its primary location at least 30 days prior to the change.		
27	C.2	Facilities <u>, Personnel</u> and Resources		
28 29 30		Histocompatibility laboratories must have considerable facilities, equipment, personnel and resources to ensure accurate, reliable and efficient testing.		
31		A. Facilities		
32 33		The laboratory must have:		
34 35		 Enough space and equipment so that procedures and tests can be performed accurately and efficiently. 		

36 37	2.—Ac	lequate facilities to store medical and test records for candidates, recipients, and donors.
38	B.	Records Access
39	Record	ds for active candidates must be immediately accessible onsite. Records for recipients and
40	donor	s must be accessible as necessary to meet the clinical practice needs of any associated
41	transp	lant hospital or OPO.
42		
43	€ <u>A</u> .	Transplant Program Affiliation
44	Histoc	ompatibility laboratories must have written agreements with every transplant program
45	the lat	poratory serves, unless clinical urgency prevents such an agreement. Written agreements
46	betwe	en histocompatibility laboratories and transplant programs must include all of the
47	follow	ing:
48		
49	1. <u>HL</u>	A Typing Requirements:
50	•	Sample requirements
51	•	Loci and level of resolution typed
52	•	Process for reporting of HLA results to the OPTN and verification of results, including
53		verification if changes occur
54	•	Expected turnaround time from receipt of sample to reporting results to the transplant
55		program and process of notification if turnaround time is going to be exceeded
56	•	Process for resolving discrepancies and errors
57		
58	2. <u>Cr</u>	ossmatching Requirements:
59	•	Sample requirements for both donors and recipients
60	•	Methodology and criteria for physical crossmatching
61	•	Criteria for virtual crossmatching, if performed
62	•	Process to obtain sensitization history for each patient
63	•	Process for reporting of physical or virtual crossmatching results to the transplant
64		hospital and verification of results, including verification if changes occur
65	•	Expected turnaround time from receipt of sample to reporting results to the transplant
66		program and process of notification if turnaround time is going to be exceeded
67		
68	3. <u>Ar</u>	ntibody Screening:
69	•	Sample requirements
70	•	<u>Methodology</u>
71	•	Frequency of sample collection
72	٠	Frequency of antibody screenings
73	•	Criteria for determining unacceptable antigens used during organ allocation
74	•	Process for reporting unacceptable antigens to the OPTN and verifying unacceptable
75		antigen data at time of registration and if changes occur
76	٠	Expected turnaround time from receipt of sample to reporting results to the transplant
77		program and process of notification if turnaround time is going to be exceeded

78	If post-transplant monitoring is performed, include protocol for monitoring donor-
79	specific antibodies
80	 If desensitization is performed, include protocol for monitoring antibody testing and
81	reporting
82	
83	4. If the laboratory registers candidates for the transplant program, include a process for blood
84	type verification according to Policy 3.3: Candidate Blood Type Determination and Reporting
85	before Waiting List Registration.
86	
87	1. The sample requirements for typing and crossmatching.
88	2. The loci and level of resolution typed.
89	3. A process for requesting extended HLA typing.
90	4. A process for reporting and verifying HLA and unacceptable antigen data at the time of
91	registration on the waiting list and any time there are changes.
92	5. A process for reporting HLA typing results to the OPTN Contractor.
93	6. A process for resolving HLA typing discrepancies and errors.
94	7. The maximum turnaround time from receipt of sample to reporting of results to the
95	transplant program.
96	8. A process to obtain sensitization history for each patient.
97	9. The frequency of periodic sample collection.
98	10. The frequency of antibody screenings.
99	11. The criteria for crossmatching.
100	12. The assay format that will be used for antibody screening and for crossmatching.
101	13. The criteria for determining unacceptable antigens used during organ allocation.
102	14. The duration for which specimens need to be stored for repeat or future testing.
103	15. ilf desensitization will be performed, then a protocol for monitoring antibody levels.
104	16. If the laboratory registers candidates for the transplant program, then a process for blood
105	type verification according to Policy 3.3: Candidate Blood Type Determination before Waiting
106	List Registration.
107	17. If post-transplant monitoring is performed, then a protocol for monitoring antibody levels.
108	
109	PB. OPO Affiliation
110	Histocompatibility laboratories must have written agreements with every OPO member the
111	laboratory serves, unless clinical urgency prevents such an agreement. Written agreements
112	between histocompatibility laboratories and OPOs must include all of the following:
113	
114	1. HLA Typing Requirements:
115	<u>Sample requirements</u>
116	Loci and level of resolution typed
117	 Process for verifying and reporting results to the OPO and the OPTN
118	Expected turnaround time from receipt of donor sample to reporting results to the OPC
119	and process of notification if turnaround time is going to be exceeded
120	Process for resolving discrepancies and errors

121		2. Crossmatching Requirements:
122		 <u>Sample requirements for both donors and recipients</u>
123		 If OPO-contracted laboratory performs crossmatching, methodology and criteria for
124		physical crossmatching as well as interpretation and reporting of results.
125		 Process for reporting of crossmatching results to the OPO or transplant hospital and
126		verification of results, including verification if changes occur
127		• Expected turnaround time from receipt of donor sample to reporting results to the OPO
128		and process of notification if turnaround time is going to be exceeded
129		
130		3. The length of time for which donor specimens are to be stored for repeat or future testing
131		
132		1. The sample requirements for typing and crossmatching.
133		2.—The loci and level of resolution typed.
134		 A process for requesting extended HLA typing.
135		A process for verifying and reporting HLA typing results to the OPTN Contractor.
136		5.—A process for resolving HLA typing discrepancies and errors.
137		6. The maximum turnaround time from receipt of donor sample to reporting of results to the
138		OPO.
139		7. A process for prioritizing donors for histocompatibility testing.
140		8. The length of time for which donor specimens are required to be stored for repeat or future
141		testing.
142		9. If the OPO performs crossmatching, then all methods used for crossmatching and the
143		interpretation and reporting of the results.
144		
145		<u>C. Personnel Requirements</u>
146		1. All personnel must be licensed or meet the standards required by federal, state and local
147		regulations.
148		The histocompatibility laboratory must require that all laboratory staff complete all
149		continuing education and testing required to maintain accreditation by federal, state, and
150		local regulatory agencies.
151		2. Each histocompatibility laboratory must identify a Primary Data Coordinator and provide the
152		name of the individual to the OPTN. The primary data coordinator serves as the point of
153		contact for questions and communications from the OPTN on data submission.
154		
155	C.3	Histocompatibility Laboratory Key Personnel
156		The laboratory must ampley a Drimary bisto compatibility laboratory directory a technical
156 157		The laboratory must employ a <u>Primary</u> histocompatibility laboratory director, a technical supervisor, a clinical consultant, and a general supervisor , and a clinical consultant . One person
157		individual may fill one or more positions. The laboratory may employ additional
159 160		histocompatibility laboratory directors, but only one may serve as the Primary histocompatibility
160		laboratory director of record with the OPTN. If an individual serves as histocompatibility
161		laboratory director for more than one laboratory, that individual cannot serve in the general
162		supervisor position.



163	The size and training of the histocompatibility laboratory staff must be enough to carry out the
164	volume and variety of tests required to ensure accuracy and prompt completion of tests. All
165	personnel must be licensed or meet the standards required by federal, state and local
166	regulations.
167	
168	If the laboratory provides histocompatibility testing for deceased kidney, kidney-pancreas, or
169	pancreas transplants, then the laboratory must have personnel for the required
170	histocompatibility testing available 24 hours a day, seven days a week.
171	
172	A. Histocompatibility Laboratory Director Qualifications
173	The histocompatibility laboratory director ensures that the laboratory provides high quality and
174	comprehensive histocompatibility and immunogenetics testing.
175	
176	The histocompatibility laboratory director must meet all the qualifications and fulfill the
177	responsibilities for high complexity laboratory director according to CLIA, 42 CFR § 493.1443.
178	
179	The histocompatibility laboratory director must meet the requirements for at least one of the
180	following pathways:
181	
182	- Pathway 1:
183	1. Have an M.D. or D.O. from an accredited institution, or equivalent degree from another
184	country
185	2. Have a license to practice medicine in the state where the laboratory is located
186	3. Be certified in anatomic and clinical or clinical pathology by the American Board of
187	Pathology or the American Osteopathic Board of Pathology, or possess qualifications of
188	those equivalent to those required for such certification
189	4. Have at least two years full-time experience directing or supervising clinical
190	histocompatibility testing for solid organ transplantation
191	
192	- Pathway 2:
193	1.—Have a doctoral degree in a medical, chemical, physical, biological, or clinical laboratory
194	science from an accredited institution, or equivalent degree from another country
195	2. Have at least two years full-time, post-doctoral experience or four years pre-doctoral
196	experience in immunology, histocompatibility, or immunogenetics, and two years post-
197	doctoral training in directing or supervising clinical histocompatibility testing for solid
198	organ transplantation
199	3. Have one of the following certifications
200	Diplomate by the American Board of Histocompatibility and Immunogenetics
201	Associate by the American College of Histocompatibility and Immunogenetics
202	Fellow by the American College of Histocompatibility and Immunogenetics
203	High complexity laboratory director by the American Board of Bioanalysis Division by the American Depend of Marking Laboratory languages and a second seco
204	Diplomate by the American Board of Medical Laboratory Immunology
205	A professional who holds an earned doctoral degree but who does not hold one of
206	these certifications may qualify if they were serving as director of an accredited

207	laboratory performing human histocompatibility and immunogenetics testing
208	before February 24, 2003.
209	
210	The MPSC will review, in consultation with the histocompatibility accrediting agencies, the
211	credentials of professionals with foreign education or training and determine whether the
212	foreign education or training is equivalent to that obtained in the United States, according to
213	<u>CLIA</u> .
214	
215	Any professional being considered for the position of histocompatibility laboratory director who
216	has not served in the role of laboratory director <u>at an OPTN-approved histocompatibility</u>
217	laboratory prior to the date of application must also provide all of the following:
218	A portfolio of 50 cases, covered during the five years prior to the date of application that
219	demonstrates the professional's analytical skills, ability to recognize and resolve testing and
220	interpretation issues, and instances when the applicant made recommendations for
221	additional testing or clinical care.
222	 Proof of active interaction with transplant professionals.
223	A letter from the applicant that describes all experience in immunology and clinical
224	histocompatibility testing, including a summary of time spent in the laboratory, technologies
225	used, level of responsibility, and specific tasks performed.
226	 A current curriculum vitae or resume.
227	 Demonstrated participation in transplant or clinical laboratory professional conferences or
228	publications in peer-reviewed journals.
229	
230	All documentation that verifies training and experience must be sent directly to the OPTN
231	Contractor from all directors of histocompatibility laboratories where the training was obtained.
232	A laboratory may appoint additional histocompatibility laboratory directors, but only one
233	histocompatibility laboratory director may serve in the role as Primary. The Primary
234	histocompatibility laboratory director is the person responsible for ensuring the operation and
235	compliance of the laboratory according to the requirements set forth in these Bylaws. Additional
236	histocompatibility laboratory directors must meet the qualifications to fulfill the responsibilities
237	for histocompatibility laboratory director according to this section.
238	
239	B. Technical Supervisor Qualifications
240	The technical supervisor must meet all the qualifications and fulfill the responsibilities for
241	laboratory director according to C.3.A. Histocompatibility Laboratory Director Qualifications
242	above and for histocompatibility technical supervisor according to 42 CFR 493.
243	
244	EC. <u>Clinical Consultant Qualifications</u>
245	The clinical consultant must meet all the qualifications for laboratory director as outlined in
246	C.3.A. Histocompatibility Laboratory Director Qualifications above and for histocompatibility
247	clinical consultant according to 42 CFR 493.
	-

248		€ <u>D</u> .	General Supervisor Qualifications
249 250		-	eral supervisor must meet the qualifications for a general supervisor according to 42 CFR and have at least three years of experience in human histocompatibility or transplant
251		immur	nology testing under the supervision of a qualified histocompatibility laboratory director
252		or tech	nnical supervisor.
253			
254		D.	Histocompatibility Technologist Qualifications
255		A histo	ecompatibility technologist must meet the qualifications for a histocompatibility
256		techno	blogist according to 42 CFR 493 and must have had one year of supervised experience in
257		humar	n histocompatibility or transplantation immunology testing, regardless of academic degree
258		or oth	er training and experience.
259			
260		E.	
261		The cli	nical consultant must meet all the qualifications for laboratory director as outlined in
262		С.З.А.	Histocompatibility Laboratory Director Qualifications above and for clinical consultant
263		accord	ling to 42 CFR 493.
264			
265		F.	Competency Testing and Continuing Education of Staff
266		The lal	boratory must test its staff for competency in performing test procedures. The testing
267		must k	be done annually, and must be completed for each type of test the staff performs.
268			
269		The di i	rector, technical supervisor, and all technical staff must participate in continuing
270		educat	tion in histocompatibility, immunogenetics or clinical transplantation as required for
271		accred	litation by national, state, and local regulatory agencies.
272			
273	C.4.	Labor	atory Coverage Plan
274			stocompatibility laboratory director, in conjunction with the technical supervisor, clinical
275			tant, and general supervisor, and clinical consultant, must submit a detailed Laboratory
276			age Plan to the OPTN Contractor . The Laboratory Coverage Plan must describe how
277		contin	uous coverage is provided by laboratory personnel.
278			
279			boratory must submit an updated Laboratory Coverage Plan when any key personnel
280			s additional responsibilities for more than 30 days at another laboratory. The updated
281		<u>covera</u>	age plan must be submitted to the OPTN within 30 days of the key personnel accepting the
282		additic	onal responsibilities.
283			
284		The La	boratory Coverage Plan must address <i>all</i> of the following:
285			
286			e laboratory must document that qualified key personnel are providing coverage at all
287		tin	nes, including during the entire application process for changes in key personnel,
288		re	gardless of the status of the application.

289		2. The laboratory must document that the laboratory director, technical supervisor, clinical
290		<u>consultant, and g</u> eneral supervisor , and clinical consultant are available to provide onsite,
291		telephone, or electronic consultation to facilitate organ acceptance and transplantation.
292		3. The laboratory must document if any of the responsibilities designated to the laboratory
293		director, technical supervisor, or clinical consultant will be performed by other laboratory
294		staff. This documentation must include a list of the duties delegated, the times when the
295		duties will be delegated, the qualifications of the staff that will perform the delegated
296		duties, and the quality systems in place to ensure the duties are correctly performed.
297		4. If the laboratory is engaged in histocompatibility testing for deceased kidney, kidney-
298		pancreas, or pancreas donor transplants, then the laboratory must document that key
299		personnel and qualified testing personnel are available 24 hours a day, 7 days a week to
300		provide laboratory coverage, unless a written explanation is provided that justifies the
301		current level of coverage to the satisfaction of the MPSC.
302		5. If any key personnel serves more than one histocompatibility laboratory, then the
303		Laboratory Coverage Plan must specify how continuous coverage will be provided at each
304		histocompatibility laboratory served.
305		
306	C.5	Changes in Key Laboratory Personnel
307		A. Change in Laboratory Director, Technical Supervisor, <u>Clinical Consultant, or</u>
308		General Supervisor , or Clinical Consultant
309		When the histocompatibility laboratory is informed that the laboratory director, technical
310		supervisor, <u>clinical consultant, or g</u> eneral supervisor , or clinical consultant plans to leave or
311		otherwise ends active participation in the laboratory, the laboratory must:
312		
313		1. Notify the OPTN Contractor in writing within seven business days of when the laboratory
314		becomes aware of the change in key personnel.
315		2. Submit a completed Personnel Change Application to the OPTN Contractor no less than 30
316		days before the end of the individual's active employment or change in status. The
317		Personnel Change Application must document that the new or acting laboratory director,
318		technical supervisor, <u>clinical consultant and g</u> eneral supervisor , and clinical consultant meet
319		the requirements of these Bylaws.
320		3. Submit an updated Laboratory Coverage Plan no less than 30 days before the date of
321		departure that specifies how continuous coverage will be provided at the laboratory by all
322		key personnel during and after the transition period to a new or acting laboratory director,
323		technical supervisor, or clinical consultant, or general supervisor.
324		4. If the histocompatibility laboratory receives less than 60 days notice of the key personnel
325		change, then the laboratory must submit a completed Personnel Change Application and
326		updated Laboratory Coverage Plan to the OPTN Contractor within 30 days of the date of
327		departure from the date the OPTN was notified.
328		
329		A change in key personnel can be any of the following:

330		1. Departure of the director, technical supervisor, clinical consultant, or general supervisor , or
331		clinical consultant.
332		2. Any key personnel unavailable to perform responsibilities for more than 30 days.
333		3. Reinstatement of the previously designated laboratory director, technical supervisor, <u>clinical</u>
334		<u>consultant, or general supervisor, or clinical consultant</u> .
335		4. Any key personnel that accepts additional responsibilities for more than 30 days at another
336		histocompatibility laboratory.
337		
338		B. Failure to Notify the OPTN Contractor of Key Personnel Changes
339		A histocompatibility laboratory's failure to inform the OPTN Contractor of a change in the
340		laboratory director, technical supervisor, <u>clinical consultant, or g</u> eneral supervisor , or clinical
341		consultant or to submit the required Personnel Change Application within the periods specified
342		will be considered a noncompliance with OPTN Obligations that may result in an OPTN action
343		according to Appendix L: Reviews and Actions.
344		
345		C. Rejected Key Personnel Change Applications
346		The MPSC must offer the applicant an interview if the MPSC rejects a Key Personnel Change
347		application. The applicant may also be entitled to a hearing with the MPSC and an appearance
348		before the Board of Directors. Any interviews, hearings, or Board of Directors appearances that
349		occur as part of the Key Personnel Change application process will be conducted according to
350		Appendix L: Reviews and Actions.
350 351		Appendix L: Reviews and Actions.
	C.6	Appendix L: Reviews and Actions. Histocompatibility Laboratory Policies and Procedures
351	С.6 —	
351 352	С.6	Histocompatibility Laboratory Policies and Procedures
351 352 353	C.6	Histocompatibility Laboratory Policies and Procedures A. Criteria for Mandatory Performance Review a Histocompatibility Laboratory
351 352 353 354	C.6	Histocompatibility Laboratory Policies and Procedures A. Criteria for Mandatory Performance Review a Histocompatibility Laboratory The OPTN Contractor may review a histocompatibility laboratory if at any time it has any of the
351 352 353 354 355	С.6 —	 Histocompatibility Laboratory Policies and Procedures A. Criteria for Mandatory Performance Review a Histocompatibility Laboratory The OPTN Contractor may review a histocompatibility laboratory if at any time it has <i>any</i> of the following performance indicators:
351 352 353 354 355 356	С.6 —	 Histocompatibility Laboratory Policies and Procedures A. Criteria for Mandatory Performance Review a Histocompatibility Laboratory The OPTN Contractor may review a histocompatibility laboratory if at any time it has any of the following performance indicators: Failure to comply with the requirements and regulations according to Section C.1:
351 352 353 354 355 356 357	С.6 —	 Histocompatibility Laboratory Policies and Procedures A. Criteria for Mandatory Performance Review a Histocompatibility Laboratory The OPTN Contractor may review a histocompatibility laboratory if at any time it has <i>any</i> of the following performance indicators: Failure to comply with the requirements and regulations according to Section C.1: Histocompatibility Laboratory Compliance of these Bylaws.
351 352 353 354 355 356 357 358	С.6	 Histocompatibility Laboratory Policies and Procedures A. Criteria for Mandatory Performance Review a Histocompatibility Laboratory The OPTN Contractor may review a histocompatibility laboratory if at any time it has <i>any</i> of the following performance indicators: Failure to comply with the requirements and regulations according to Section C.1: Histocompatibility Laboratory Compliance of these Bylaws. Any of the following performance indicators on external proficiency testing:
351 352 353 354 355 356 357 358 359 360	С.6 —	 Histocompatibility Laboratory Policies and Procedures A. Criteria for Mandatory Performance Review a Histocompatibility Laboratory The OPTN Contractor may review a histocompatibility laboratory if at any time it has <i>any</i> of the following performance indicators: Failure to comply with the requirements and regulations according to Section C.1: <i>Histocompatibility Laboratory Compliance</i> of these Bylaws. Any of the following performance indicators on external proficiency testing: 1. Less than 100% satisfactory performance in an ABO external proficiency testing
351 352 353 354 355 356 357 358 359 360 361	С.6 —	 Histocompatibility Laboratory Policies and Procedures A. Criteria for Mandatory Performance Review a Histocompatibility Laboratory The OPTN Contractor may review a histocompatibility laboratory if at any time it has any of the following performance indicators: Failure to comply with the requirements and regulations according to Section C.1: Histocompatibility Laboratory Compliance of these Bylaws. Any of the following performance indicators on external proficiency testing: Less than 100% satisfactory performance in an ABO external proficiency testing program.
351 352 353 354 355 356 357 358 359 360 361 362	С.6	 Histocompatibility Laboratory Policies and Procedures A. Criteria for Mandatory Performance Review a Histocompatibility Laboratory The OPTN Contractor may review a histocompatibility laboratory if at any time it has any of the following performance indicators: Failure to comply with the requirements and regulations according to Section C.1: Histocompatibility Laboratory Compliance of these Bylaws. Any of the following performance indicators on external proficiency testing: Less than 100% satisfactory performance in an ABO external proficiency testing program. For programs other than ABO, a less than 80% satisfactory performance on more than
351 352 353 354 355 356 357 358 359 360 361	С.6 —	 Histocompatibility Laboratory Policies and Procedures A. Criteria for Mandatory Performance Review a Histocompatibility Laboratory The OPTN Contractor may review a histocompatibility laboratory if at any time it has <i>any</i> of the following performance indicators: Failure to comply with the requirements and regulations according to Section C.1: <i>Histocompatibility Laboratory Compliance</i> of these Bylaws. Any of the following performance indicators on external proficiency testing: 1.—Less than 100% satisfactory performance in an ABO external proficiency testing program.
351 352 353 354 355 356 357 358 359 360 361 362 363	С.6 —	 Histocompatibility Laboratory Policies and Procedures A. Criteria for Mandatory Performance Review a Histocompatibility Laboratory The OPTN Contractor may review a histocompatibility laboratory if at any time it has any of the following performance indicators: Failure to comply with the requirements and regulations according to Section C.1: Histocompatibility Laboratory Compliance of these Bylaws. Any of the following performance indicators on external proficiency testing: Less than 100% satisfactory performance in an ABO external proficiency testing program. For programs other than ABO, a less than 80% satisfactory performance on more than one external histocompatibility proficiency testing program within the previous twelve
351 352 353 354 355 356 357 358 359 360 361 362 363 364	С.6 —	 Histocompatibility Laboratory Policies and Procedures A. Criteria for Mandatory Performance Review a Histocompatibility Laboratory The OPTN Contractor may review a histocompatibility laboratory if at any time it has any of the following performance indicators: Failure to comply with the requirements and regulations according to Section C.1: Histocompatibility Laboratory Compliance of these Bylaws. Any of the following performance indicators on external proficiency testing: Less than 100% satisfactory performance in an ABO external proficiency testing program. For programs other than ABO, a less than 80% satisfactory performance on more than one external histocompatibility proficiency testing program within the previous twelve months.
351 352 353 354 355 356 357 358 359 360 361 362 363 364 365	С.6 —	 Histocompatibility Laboratory Policies and Procedures A. Criteria for Mandatory Performance Review a Histocompatibility Laboratory The OPTN Contractor may review a histocompatibility laboratory if at any time it has <i>any</i> of the following performance indicators: Failure to comply with the requirements and regulations according to Section C.1: Histocompatibility Laboratory Compliance of these Bylaws. Any of the following performance indicators on external proficiency testing: Less than 100% satisfactory performance in an ABO external proficiency testing program. For programs other than ABO, a less than 80% satisfactory performance on more than one external histocompatibility proficiency testing program within the previous twelve months. Accreditation revoked by any OPTN approved histocompatibility regulatory agency.
351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366	С.6 —	 Histocompatibility Laboratory Policies and Procedures A. Criteria for Mandatory Performance Review a Histocompatibility Laboratory The OPTN Contractor may review a histocompatibility laboratory if at any time it has <i>any</i> of the following performance indicators: Failure to comply with the requirements and regulations according to Section C.1: Histocompatibility Laboratory Compliance of these Bylaws. Any of the following performance indicators on external proficiency testing: Less than 100% satisfactory performance in an ABO external proficiency testing program. For programs other than ABO, a less than 80% satisfactory performance on more than one external histocompatibility proficiency testing program within the previous twelve months.

369		One or more HLA typing or reporting errors on a deceased or living donor that results or
370		could result in an incompatible transplant or the re-allocation of an organ to someone other
371		than the intended recipient.
372		Unresolved or repeat deficiencies identified during inspections conducted by OPTN
373		approved regulatory agencies that are in violation of OPTN Contractor standards. When
374		deficiencies are cited, laboratories must document that the deficiencies have been
375		corrected.
376		Complaints from transplant programs, OPOs, or other clients that have not been
377		documented, investigated and resolved.
378		Incomplete submission of all OPTN Contractor forms or forms not submitted within the 180
379		day time limit.
380		
381		B. Information Required from Laboratories with Unsatisfactory Performance
382		The OPTN Contractor may request at any time from a histocompatibility laboratory with
383		unsatisfactory performance any of the following:
384		
385		Letters from the affiliated transplant program or OPO staff describing the level of
386		interaction and involvement of the director, technical supervisor and clinical consultant.
387		Interviews with transplant program or OPO staff.
388		Laboratory complaint log and documentation of resolutions from other healthcare
389		professionals.
390		Samples of laboratory reports that demonstrate the review of patient history, notation of
391		unusual results, and recommendations for additional testing.
392		Documentation of any professional extracurricular commitments, including estimates of
393		time required, for laboratory director, technical supervisor, general supervisor, and clinical
394		consultant outside of the histocompatibility laboratory.
395		Quality Assessment and Performance Improvement records.
396		Other material as requested.
397		
398		C. Inactive Status
399		A histocompatibility laboratory that is voluntarily inactive, declared inactive or withdraws from
400		membership will be ineligible and may not provide histocompatibility testing to any OPTN
401		members.
402		
403	C.7 <u>6</u>	Histocompatibility Laboratory Testing Requirements
404		
405		A. Subcontracting
406		If a histocompatibility laboratory refers testing to another laboratory, the subcontracting
407		laboratory must be <i>both</i> :
408		1. CLIA certified, or unless exempt under federal law.



409		2. OPTN-approved.
410		
411		The laboratory director must review and approve all test results returned from the
412		subcontracting laboratory before release. The identity of the subcontracting laboratory and that
413		portion of the testing for which it bears responsibility must be noted in the report of the
414		histocompatibility laboratory. A copy of the testing laboratory's report must be kept on file by
415		the laboratory receiving the results.
416		
417		B. Submission Requirements for New Laboratories
418		If a laboratory seeking OPTN membership has not previously been approved as an OPTN
419		histocompatibility laboratory member, then the laboratory must submit procedures and test
420		validation data for all categories and methods of testing performed to the OPTN Contractor
421		upon request.
422		
423	<u>C.7</u> .	Inactivation and Withdrawal of OPTN Membership
424		A histocompatibility laboratory that is voluntarily inactive or withdraws from OPTN membership
425		may not provide histocompatibility testing to OPTN members.
426		
427		A. Inactivation
428		A histocompatibility laboratory that is unable to provide histocompatibility testing for 15 or
429		more consecutive days should voluntarily inactivate its OPTN membership. Voluntary
430		inactivation may extend for a period of up to 12 months. The histocompatibility laboratory may
431		request an extension beyond 12 months by making a request to the MPSC. The request must
432		include a comprehensive plan with a timeline for resuming histocompatibility testing.
433		
434		The histocompatibility laboratory must provide written notice to the OPTN of its inactivation,
435		including the reasons for the inactivation.
436		
437		A histocompatibility laboratory that voluntarily inactivates its membership in the OPTN must
438		provide written notice to all OPTN members with which it has a contractual agreement no later
439		than 7 days after inactivation. The histocompatibility laboratory must provide the OPTN a list of
440		all organizations to whom it sent notice, along with information regarding the mode of notice
441		and an example of the notice sent.
442		
443		B. Withdrawal of OPTN Membership
444		A histocompatibility laboratory that intends to withdraw its OPTN membership status must
445		provide written notice to the OPTN, including the effective date and reasons for withdrawal, at
446		least 30 days prior to the anticipated date of the withdrawal.
447		
448		A histocompatibility laboratory that withdraws its membership in the OPTN must provide
449		written notice to all OPTN members with which it has a contractual agreement at least 30 days
450		prior to the anticipated date of withdrawal. The histocompatibility laboratory must provide the



451 <u>OPTN a list of all organizations to whom it sent notice, along with information regarding the</u>
 452 <u>mode of notice and an example of the notice sent.</u>