

NIAID/DAIDS CRSS Team

PPD

NIAID HIV and Other Infectious Diseases Clinical Research Support Services (CRSS)

Contract No. HHSN272201700078C

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NIAID/DAIDS CRSS Team

PPD

Laboratory Audit Visit of

Harmonized ID (HID)	Laboratory Name - Address

Conducted by PPD

Audit Type: PBMC

Audit Date(s):

Final Report Issued:

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Laboratory Audit Report for PBMC Processing

Laboratory Report Summary

Study Site Name/Number/Location	
Visit Date(s)	
Audit Requestor	
Laboratory Auditor	
Principal Investigator	
Laboratory Name	
Laboratory Type	
Laboratory Management	
Quality Assurance Unit Manager	
Safety Officer	
Date(s) Last Audited	
Biosafety Level of Laboratory	
Protocol(s) Supported by DAIDS	
DAIDS Network/Non-Network Affiliation(s)	

Comments:

Laboratory Activities

PBMC Processing	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Comments <input type="checkbox"/>
PBMC Counting	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Comments <input type="checkbox"/>
Serum/Plasma Processing	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Comments <input type="checkbox"/>
Specimen Storage	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Comments <input type="checkbox"/>
Specimen Shipping	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Comments <input type="checkbox"/>
Other	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Comments <input type="checkbox"/>

Comments:

I. External Quality Assurance (EQA)

1. Does the laboratory participate in any external proficiency programs for DAIDS-supported protocol-related PBMC processing? (If "Yes," list all EQA providers.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
2. Does the laboratory have a written policy to address the following aspects of EQA: specimen handling and analysis, results review, and troubleshooting for unsatisfactory performance?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
3. Is EQA documentation present and organized (e.g. investigation reports, survey provider result and report, raw result data, and indication of who performed the processing and/or testing)?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
4. Are EQA specimens processed in the same manner as participant specimens?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
5. Is there documented review by laboratory management of all EQA results?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
6. Are PBMCs isolated by laboratory personnel assessed by the EQA program on a rotational basis?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

II. Organization and Personnel

A. Is an organizational chart inclusive of all laboratory personnel involved with DAIDS-supported protocol-related activities present?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

B. Is there a policy/process for determining authorized designees? (If "Yes," please describe.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

C. Personnel Records	
1. Are personnel records kept? (If "Yes," describe how these records are organized and securely stored.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
2. Is a job description/delegation of duties documentation present for all laboratory personnel involved with protocol-related activities?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
3. For each laboratory position involved with protocol-related activities, is there a documented profile that lists requirements such as education, experience, and certification/license requirements?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

4. Are education records maintained for all laboratory personnel involved with protocol-related activities?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
5. Are training records available for all laboratory personnel involved with processing and/or testing activities?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
6. Have all personnel involved in processing and/or testing of DAIDS-supported protocol specimens completed DAIDS Good Clinical Laboratory Practice training? (If "No," indicate the total number of trained versus untrained personnel.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
7. Is documentation maintained, indicating the laboratory has assessed the competency of each employee to perform his/her assigned duties? (If "Yes," report the methods utilized to assess competency and the frequency of evaluation.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
8. Are personnel identification lists (signature/initial/code) present to verify responsible personnel?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
9. Has the laboratory defined and established a process for auditing personnel records?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

D. Has the laboratory been certified by any regulatory/accrediting agency? (If "Yes," list the agency and date[s] of certification.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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<u>Regulatory/Accrediting Agency</u>	<u>Date(s) of Certification</u>
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E. Does the laboratory have a policy that prohibits retaliation against personnel who communicate study integrity, processing and/or testing quality, or safety concerns to laboratory management?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

F. Is there a mechanism for the leadership of the laboratory and the clinic to discuss laboratory performance?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

G. Did the laboratory change location since the last audit visit?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

H. Have any new laboratory employees been hired since the last audit? (If "Yes," document the changes in personnel and management positions.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

III. Testing Facility Operation

A. Is a master list of currently used SOPs maintained by the laboratory?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

B. Standard Operating Procedures (List at least one example from each laboratory category)

Written Procedure Name	Review completed by laboratory management within two-year interval?	Laboratory management signature present?
1.	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
2.	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
3.	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
4.	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
5.	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
6.	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
7.	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
8.	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
9.	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
10.	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

C. Is there a written document control plan that addresses topics such as procedural relevance, authorization process, annual reviews, and discontinuation of procedures?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

D. Are laboratory SOPs reviewed for accuracy and relevance within two-year intervals?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

E. Does the laboratory have a system of documenting that all personnel are knowledgeable of the contents of the laboratory's SOPs?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

F. Are the laboratory SOPs available in the work area?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

G. Are superseded SOP versions identified as retired and archived in the laboratory? (If "Yes," explain the archiving process and provide the retention time.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

IV. Laboratory Data Management System (LDMS)

A. Does this laboratory facility contain an LDMS? (If "Yes", provide the LDMS ID in the Comments Section; If "No," disregard the rest of Section IV and explain how specimen storage/shipping data are maintained.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

B. LDMS Reports Verified by the Auditor	
1. Primary Specimens Received Report	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
2. Storage Detail Report	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
3. Shipped Specimen Report–Detail	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

C. Specimen Verification	
1. Can the participant identification (PID), date, protocol, derivative, and additive for specimens be verified with the LDMS?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
2. Does the LDMS accurately reflect the number, type, and volume of all specimen aliquots as well as their storage location and shipping record?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
3. Can the physical presence of specimens be verified with the LDMS Storage Detail Report?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

D. Is the current LDMS manual available in the laboratory?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

E. Backup	
1. Is the LDMS backed up daily?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
2. Is the LDMS backup device stored in a different location than the LDMS computer?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

F. Is the LDMS connected to a backup power source?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

G. Do laboratory SOPs include implementation and compliance with DAIDS-network mandates regarding LDMS usage?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

V. Quality Management

1. Does the laboratory have a quality assurance/quality management program? (If "No," skip to Question 3.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
2. Does the program include a documented operational plan to promptly record and investigate, correct (as appropriate), and trend nonconformities or other problems identified in pre-analytic, analytic, post-analytic, and general laboratory systems?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
3. Are key indicators of quality monitored and evaluated to detect problems and opportunities for improvement? (If "Yes," list the indicators.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
4. Are appropriate corrective actions and/or preventive actions (CAPAs) taken when opportunities for improvement are identified?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
5. Is there evidence that CAPAs are monitored through resolution?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
6. Is quality management documentation surrounding key indicators of quality and CAPAs reviewed by laboratory management? (If "Yes," indicate the frequency.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
7. Does the laboratory have an internal auditing program?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

VI. Physical Facilities

1. Is there a documented policy/procedure in place for access control into the laboratory?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
2. Are the ventilation (and humidity, where applicable,) adequately controlled in all areas?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
3. Are ambient room temperature readings (and humidity, where applicable) taken and documented? (If "Yes," report the frequency.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
4. Have tolerance limits been established and documented for ambient room temperature (and humidity, where applicable)? (If "Yes," list the limits.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
5. Is there documentation of corrective actions taken in response to out-of-range values?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
6. Is there adequate, conveniently located space so the quality of work and safety of personnel are not compromised?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
7. Is there adequate space for records and specimen storage?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

VII. Equipment

A. Is all equipment used for DAIDS protocol-related laboratory activities listed on an inventory document?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

B. Is all out-of-service/not-in-use equipment clearly identified as such?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

C. Are there documented Preventive Maintenance (PM) and calibration plans for laboratory equipment indicated?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

D. Has any DAIDS-related equipment been replaced, added, or removed since the last audit? (If "Yes," list the equipment.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

E. Laboratory Equipment

Verify the following as it applies to equipment used for study-specific laboratory activities: (List the manufacturer and model of the equipment, where applicable.)

1. Are freezers present? (If "No," skip to Question 2.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
a. Are PM activities/services performed and documented by laboratory personnel?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
b. Are PM activities/services performed and documented by outside vendors and/or company technical representatives?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
c. Are temperature readings taken and documented? (If "Yes," report the frequency.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
d. Have tolerance limits been established and documented for temperature readings? (If "Yes," list the limits.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
e. Is there documentation of corrective actions taken in response to out-of-range values?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

2. Are refrigerators present? (If "No," skip to Question 3.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
a. Are PM activities/services performed and documented by laboratory personnel?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
b. Are PM activities/services performed and documented by outside vendors and/or company technical representatives?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
c. Are temperature readings taken and documented? (If "Yes," report the frequency.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
d. Have tolerance limits been established and documented for temperature readings? (If "Yes," list the limits.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
e. Is there documentation of corrective actions taken in response to out-of-range values?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

3. Are liquid nitrogen freezers present? (If "No," skip to Question 5.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
a. Are PM activities/services performed and documented by laboratory personnel?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
b. Are PM activities/services performed and documented by outside vendors and/or company technical representatives?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
c. Are liquid nitrogen levels taken and documented? (If "Yes," report the frequency.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
d. Have tolerance limits been established and documented for liquid nitrogen levels? (If "Yes," list the limits.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
e. Is there documentation of corrective actions taken in response to out-of-range values?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

4. Is oxygen monitoring equipment present in areas where liquid nitrogen is used? (If "No," skip to Question 5.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
a. Are calibration procedures performed as described by the manufacturer?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
b. Are oxygen levels taken and documented? (If "Yes," report the frequency.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
d. Have tolerance limits been established and documented for oxygen levels? (If "Yes," list the limits.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
c. Is an alarm system with oxygen setpoints available? (If "Yes," report the frequency of alarm testing.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
e. Is there documentation of corrective actions taken in response to out-of-range values?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

5. Are centrifuges present? (If "No," skip to Question 6.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
a. Are PM activities/services performed and documented by laboratory personnel?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
b. Are PM activities/services performed and documented by outside vendors and/or company technical representatives?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
c. Is calibration of speed, time, and temperature (if applicable) performed and documented for each centrifuge? (If "Yes," report the frequency.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

6. Are biosafety cabinets/hoods present? (If "No," skip to Question 7.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
a. Are PM activities/services performed and documented by laboratory personnel?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
b. Are PM activities/services performed and documented by outside vendors and/or company technical representatives?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
c. Has each cabinet/hood been certified? (If "Yes," report the frequency.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
d. Are pressure readings or air flow rate readings documented? (If "Yes," report the frequency.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
e. Have tolerance limits been established and documented for pressure or air flow rate readings? (If "Yes," list the limits.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

7. Are pipettors present? (If "No," skip to Question 8.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
a. Are calibration/verification procedures performed for all pipettors? (If "Yes," report the frequency.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

8. Are thermometers present? (If "No," skip to Question 9.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
a. Is a known standard thermometric device available (e.g., NIST certified)?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
b. Have all non-certified thermometers been tested against a standard device? (If "No" to 11.a. and "Yes" to 11.b., describe the procedure performed.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

9. Are scales and/or balances present? (If "No," skip to Question 10.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
a. Are accuracy checks performed as described by the manufacturer?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
b. Are service and calibration procedures performed as described by the manufacturer?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

10. Are microscopes present? (If "No," skip to Question 11.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
a. Are daily and annual PM activities/services performed and documented?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

11. Are timers present? (If "No," skip to Question 12.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
a. Are calibration procedures performed and documented?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

12. Is a hemocytometer present? (If "No," skip to Question 13.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
a. Has the laboratory demonstrated and documented the ability to perform reliable counts for the manual cell counting method used in the laboratory?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

13. Is an automated cell counting method and instrument in use in the laboratory? (If "No," skip to Question 14.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
a. Are PM activities/services performed and documented by laboratory personnel?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
b. Are PM activities/services performed and documented by outside vendors and/or company technical representatives?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
c. Has the laboratory verified or established and documented analytic accuracy and precision of the automated cell counting method?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
d. Has the laboratory verified or established and documented an analytic measurement range (linearity)?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
e. Is the instrument calibrated? (If "Yes," report the frequency. If "No," skip to Question 13h.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
f. Are calibration materials stored as required by the manufacturer?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
g. Are calibration materials properly labeled indicating content and calibration value?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
h. Is a backup method available for automated cell counting?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
i. Are there periodic comparison checks between the primary and backup methods?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

14. Is equipment for PBMC rate control freezing present?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
a. Are PM activities/services performed and documented by laboratory personnel?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

15. Is additional equipment used for protocol-related assays present? (If "Yes," report on PM and calibration activities where applicable.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

F. Temperature Monitoring	
1. Is there a written policy/procedure in place, explaining how temperatures are monitored during the absence of laboratory personnel?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
2. Is a computerized alarm system with setpoint temperature ranges utilized for continuous monitoring of freezer, refrigerator, and ambient room temperature? (If "Yes," report the frequency of alarm testing; if "No," specify the system used for continuous temperature monitoring .)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
Comments:	

G. Is there an SOP in place that describes backup power resources? (If "Yes," specify how backup power equipment is maintained e.g., logs or SOPs that detail the frequency of maintenance).	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

H. Are maintenance, repair, and calibration records reviewed and signed monthly by laboratory management?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

VIII. Test and Control

A. Automated Cell Counting Method Quality Control (QC)	
1. Does the laboratory use an automated cell counting method? (If "No," skip to Section B.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
2. Are QC materials dated within the manufacturer's assigned expiration dates?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
3. Are QC materials properly stored as required by the manufacturer?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
4. Is adequate labelling information of QC materials available, that indicates traceability to the identity, lot number, storage requirements, preparer as well as preparation/reconstitution, and expiration dates?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
5. Are control materials used at more than one level? (If "Yes," indicate the number of levels used.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
6. Are controls tested in the same manner as patient samples?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
7. Is a log present documenting control results? (If "No," skip to Question 9.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
8. Does the technologist performing the QC initial and date the log?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
9. Are appropriate charts utilized to document QC data (e.g., Levey-Jennings charts)? (If "No," skip to Question 11.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
10. Has laboratory management reviewed and signed the charts? (If "Yes," note the frequency.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
11. Are QC records available for the past 2 years and retrievable within 24 hours?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

B. Manual Cell Counting QC	
1. Does the laboratory perform manual cell counts? (If "No," skip to Section C.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

2.	Has the laboratory established limits to determine whether the cell counts between squares are comparable?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Comments <input type="checkbox"/>
3.	Are cell counts verified by another technologist periodically? (If "Yes," note the frequency.)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Comments <input type="checkbox"/>

Comments:

C. QC Failure/Corrective Action

1.	Is there documentation of corrective actions taken in response to QC failures? (If "No," skip to Section D.)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Comments <input type="checkbox"/>
2.	Has laboratory management reviewed and signed the records for QC failures? (If "Yes," note the frequency.)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Comments <input type="checkbox"/>

Comments:

D. Reagents and Solutions

1.	Is adequate labelling information of reagents and solutions available, that indicates traceability to the identity, lot number, storage requirements, preparer as well as preparation/reconstitution, and expiration dates?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Comments <input type="checkbox"/>
2.	Are all reagents and solutions properly stored as required by the manufacturer?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Comments <input type="checkbox"/>
3.	Are all reagents and solutions used within their listed expiration date?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Comments <input type="checkbox"/>
4.	Are documented procedures used to check or monitor the integrity of new lots of reagents prior to being placed into service? (If "Yes," describe.)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Comments <input type="checkbox"/>
5.	Are manufacturers' Certificates of Analysis and package inserts present for specimen processing reagents (e.g., FBS, DMSO, HBSS, PBS, RPMI 1640, Ficoll, Histopaque, and Accuspin)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Comments <input type="checkbox"/>

Comments:

E.	Is there an established, documented inventory control system in operation for the laboratory reagents and supplies?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Comments <input type="checkbox"/>
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Comments:

IX. Records and Reports

A.	Are copies of network laboratory-specific manuals, protocols, and appendices available and retrievable within 24 hours?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Comments <input type="checkbox"/>
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Comments:

B. Is there a written policy/procedure for updating network documents to ensure that the most recent issue is in circulation?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

C. Is specimen chain of custody adequately documented?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

D. Does the laboratory archive specimen tracking/requisition forms and result data (result printouts, processing worksheets, etc.), QC records, package inserts, and Certificates of Analysis? (If "Yes," explain how archiving is accomplished and the duration for which data are archived. If "No," skip to Section X.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

E. Are the archived records accessible only to authorized personnel?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

F. Are records protected from flood and fire?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

X. Laboratory Capacity

1. How many participants are processed for PBMC isolation/storage per week?	(Enter number here.)
2. How many shipments does the laboratory send per week?	(Enter number here.)
3. Does the laboratory support multiple clinics? (If "Yes," indicate the number of clinics.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
4. Does the clinic coordinate the protocol workload with the laboratory in advance?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

XI. Specimen Transport and Management

A. Are there documented guidelines for specimen collection in the laboratory and areas dedicated for specimen collection?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

B. Is there a documented policy/procedure for identifying and assessing the quality of specimens received in the laboratory?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

C. Are specimen rejection criteria established? (If "Yes," describe how the specimen rejection is communicated to the clinic personnel.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

D. Specimen Transport	
1. Is there a documented policy/procedure in place for transporting samples (e.g., transported in a sturdy, non-breakable, closable container labeled with the international symbol for biohazard)?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
2. Is there a documented policy/procedure available addressing transportation within the facility?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
3. Is there a documented policy/procedure available addressing transportation between off-site clinics and the laboratory?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

E. PBMC Processing Times	
1. Is the laboratory located in proximity to the clinic to support processing within time constraints?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
2. Are there scheduled times for specimen transport from the clinic to the laboratory? (If "Yes," note the frequency.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
3. Has the laboratory established time limits for processing PBMC specimens?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

F. PBMC Handling	
1. Are PBMCs handled in a manner to prevent thawing or warming from their frozen status during relocation? (If "Yes," explain the procedures for maintenance of the cold chain.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

G. Outgoing Shipments QC	
1. Are samples checked against the prepared shipping manifest prior to shipment?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

H. Shipping/IATA Certification/Training		
1. Is there a training plan in place for shipping certification?	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
2. Is there documentation of persons trained for shipping?	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
3. Are shipping certifications renewed every 2 years?	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
4. Is there a policy in place for shipping samples internationally?	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

XII. Personnel Safety

A. Safety-Related Incidents		
1. Are there procedures available for documenting or reporting safety incidents?	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
2. Is there documentation of all safety-related incidents? (If "No," skip to Question 4.)	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
3. Is the documentation reviewed and signed monthly by laboratory management?	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
4. Is there a mechanism to evaluate safety incidents?	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
5. Is prophylaxis treatment available (e.g., hepatitis B vaccinations and post-pathogen exposure options)?	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
6. Does a physician provide a documented review of all exposure events?	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

B. Safety Data Sheets (SDS) or Material Safety Data Sheets (MSDS)		
1. Are SDS or MSDS on file or available online? (If "No," skip to Section C.)	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
2. Are SDS or MSDS readily available to all laboratory personnel?	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

C. Is there an initial and ongoing safety training program with documented participation of laboratory personnel? (If "Yes," briefly describe the training and list the provider as well as the frequency of training.)	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

D. Safety Policies		
1. Is a written Standard Precautions Policy available?	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
2. Is a written Chemical Hygiene/Hazardous Materials Plan available?	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
3. Is there a written policy for the handling and disposal of biohazardous materials and regulated medical waste? (If "Yes," list what mechanism is used for disposing biohazardous waste.)	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
4. Are policies, procedures, and practices in place for use of liquid nitrogen?	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
5. Are policies, procedures, and practices in place for use of dry ice (solid carbon dioxide)?	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
6. Is an emergency preparedness policy available?	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
7. Are safety policies and procedures readily available to all personnel?	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
8. Is there evidence of review within a two-year interval of all safety policies and procedures by laboratory management?	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

E. Is safety equipment such as eyewashes, safety showers, fire extinguishers, sharps containers, spill kits, smoke detectors/fire alarms, hand washing sinks, and basic first aid kits present in the laboratory? (If "Yes," provide the frequency of documented functional checks for the equipment.)	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

F. Personal Protective Equipment (PPE)		
1. Is PPE (gloves, gowns, masks/respirators, eye protectors, etc.) available to laboratory personnel?	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
2. Is PPE correctly worn and utilized by laboratory personnel?	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
3. Is PPE maintained in a sanitary and reliable condition in all technical work areas in which blood and body substances are handled and in circumstances during which exposure is likely to occur?	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

G. Emergency Evacuation		
1.	Does the laboratory have a documented and workable evacuation plan that is available to all laboratory employees and visitors?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
2.	Have all laboratory employees (and visitors, if appropriate) been properly trained in the evacuation plan/policy?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
3.	Are annual fire drills conducted with documented participation by laboratory personnel?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

H. Are reviews of safe work practices performed and documented at least annually?		
		Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

XIII. Vertical Audit of SOP/Practice

<u>Title of SOP</u>	<u>Procedure Observed</u>	<u>Person Observed</u>
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A. Personnel Training and Competency Verification		
1.	Are training and competency evaluations documented for the personnel performing the procedure?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
2.	Is SOP user knowledge documented?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

B. Pre-Test Specimen Handling		
1.	Are specimens submitted for processing as required by the SOP?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
2.	Does the specimen receiving procedure preserve the chain of custody for the samples?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
3.	Are specimens submitted within the timeframe required for processing?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
4.	Are specimens maintained at appropriate conditions (e.g., temperature) until processing can be performed?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

C. Reagent Preparation and Storage		
1.	Are reagents prepared in accordance with the SOP?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

2.	Are reagents maintained at appropriate conditions until processing can be performed?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
3.	Are reagents adequately labeled with information traceable to their identity, lot number, storage requirements, preparer, as well as preparation/reconstitution and expiration dates?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

D. PBMC Processing

1.	Are specimens processed within the timeframe as defined in the SOP?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
2.	Are appropriate conditions maintained to perform the PBMC processing (e.g., a sterile, biohazard containment)?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
3.	Are tubes pre-labeled prior to processing? (If "Yes," comment on how far in advance labeling occurs.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
4.	Are tubes labeled appropriately with sufficient identification to prevent mix-up?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
5.	Is appropriate equipment (e.g., pipettors or a vortex mixer) available at the start of the procedure to avoid delay?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
6.	Are reagents and samples added in the appropriate order and at appropriate times?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
7.	Is the laboratory personnel able to demonstrate proper use of the label-making software?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
8.	Is processing performed according to the SOP?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

E. Analysis Phase

1.	Are cells counted as required by the SOP? (If "Yes," provide the method of cell counting.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
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Comments:

F. Manual Counting Methods

Are manual counting methods used during analysis? (If "No," skip to Section G.)		Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
1.	Is viability performed during the cell counting procedure?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
2.	Which squares are counted on the hemocytometer?	Inner square: <input type="checkbox"/> Outer square: <input type="checkbox"/>
3.	How many squares are counted in order to calculate the cell count?	(Enter number here.)

4. Does the final dilution of specimen result in an adequate number of cells counted in each square? (List the acceptable range documented by the laboratory and note the results obtained.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
5. Are cell numbers between individual squares comparable? (If "Yes," describe how this is determined.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
6. Are counts verified? (If "Yes," describe the method used.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
7. Is cell yield documented for specimens? (If "Yes," describe the method used.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

G. Automated Counting Methods	
Are automated counting methods used during analysis? (If "No," skip to Section H.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
1. Is the analyzer set up as required by the SOP?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
2. Are appropriate controls available and tested?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
3. Does the dilution of specimen result in an adequate number of cells counted by the analyzer? (List the acceptable range documented by the laboratory and note the results obtained.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
4. Is cell yield documented for specimens? (If "Yes," describe the method used.)	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

H. Freezing Samples	
1. Is a freezing device/container used?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
2. If freezing containers are used, are they equilibrated at the appropriate temperature?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
3. Are cryovials labeled before freezing media is added to the PBMC pellet?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
4. Is freezing media pre-chilled, added to the PBMC pellet, and aliquoted as described in the SOP?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
5. Are PBMC aliquots moved into the freezing chamber/freezer within the timeframe defined in the SOP?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
6. Is the duration of processing documented?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>
7. If a timeframe is defined in the SOP, are specimens with out-of-range times documented and corrective action taken?	Yes <input type="checkbox"/> No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

I. Calculations and Result Reporting		
1. Are manual calculations performed? (If "No," skip to Question 3.)	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
2. Is the derivation of the final result available?	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
3. Are results transmitted from the analyzer to a central LIS? (If "No," skip to Question 5.)	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
4. Do the results obtained by the analyzer match those in the LIS?	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
5. Are results verified by alternate personnel?	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
6. Are discrepancies or deviations recorded and reviewed?	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
7. Are results reported as defined in the SOP?	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments:

J. Transfer/Retrieval of Frozen Specimens		
1. Are specimens handled in a manner to prevent thawing or warming from their frozen status during relocation?	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>
2. Are the physical storage positions of the specimens verified against their LDMS-assigned locations during transfer? (If "Yes," provide details.)	Yes <input type="checkbox"/>	No <input type="checkbox"/> Comments <input type="checkbox"/>

Comments: