

A Stepwise Quality Improvement Checklist for Federal Tertiary Hospitals

LABORATORY MEDICINE

An Assessment Tool to Strengthen the Operations, Service Delivery, Safety, Continuous Quality and Management of Laboratory Medicine



Tertiary Hospitals Laboratory Medicine

Medical laboratory services aid in diagnosis and treatment of patients and is as essential part of continuous quality improvement. As health care accelerates from empirical to precision medicine, the quality of laboratory medicine is becoming a very critical element at every level of the care delivery value chain and the foundation of care plans

Poor quality medical laboratory services leads to mis-diagnosis, wrong treatment, wastage and even litigation in the wake of the patients' bill of rights.

Objectives of this Checklist

This quality assessment checklist will provide **direction**, **support**, and **accountability framework** while focussing on individuals, systems, management of resources and self-governance. It will build corporate accountability for clinical performance into the medical laboratory services and develop a corporate culture in which quality improvement becomes a shared enterprise through shared learning and information. It will also provide strategic opportunities to diagnose and repair broken processes.

Frequent and accurate assessment and timely feedback will support action plans to implement systems that are lacking and revive those that are not functioning effectively.

This checklist therefore represents a clinical governance assessment tool to determine:

- The level and quality of the medical laboratory services and resources
- The capacity of the laboratory department to provide safe and quality services
- The level of process capabilities
- Key drivers of quality and patients' satisfaction in a strategic plan.
- The competency level of clinical and non –clinical support staff in the laboratory department.
- Areas for improvement.



Assessment Scoring

The contents of this checklist have been awarded point values based on their relative importance. Responses to all questions must be either "Yes" or "No" or "Not Applicable" (NA).

The checklist has considerable overlap and expanded to include important continuous quality tools.

NOTE:

- Only responses marked yes should be given the allotted points. All the required answers to a particular question must be present before you can indicate a "yes" for any given checklist question and then award the corresponding allotted points.
- It is often not necessary to ask all the checklist questions verbatim. An experienced auditor can often learn to answer multiple checklist questions through open-ended questions with the key or designated staff contact.

This checklist is divided into different aspects of Quality Management System that the laboratory department is required to develop and implement regularly as listed below;

	Assessment Score	Sheet	
	Section	Total Allotted Scores	Assessed Scores
5.1	Facility and Safety	16	
5.2	Organization and Management	20	
5.3	Equipment	11	
5.4	Inventory Management	9	
5.5	Process Control - internal and external Quality Assessments.	21	
5.6	Documents and Records	12	
5.7	Information Management	6	
5.8	Occurrence/Incidence Management	17	
5.9	Client Management	7	
5.10	Infection Control	4	
5.11	Waste Management	5	
	Total Scores	128	

	Assessment Score Sheet									
	Sections		Assessed Scores	Assessed Scores	Assessed Scores					
5.1	Facility and Safety	16								
5.2	Organization and Management	20								
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5.5	Process Control - internal and external Quality Assessments.	21								
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5.7	Information Management	6								
5.8	Occurrence/Incidence Management	17								
5.9	Client Management	7								
5.10	Infection Control	4								
5.11	Waste Management	5								
	Total Scores	128								



General Information

Date of Assessment:	
Name(s) and Affiliation(s) of Assessor(s):	
Name of Federal Tertiary Hospital:	
Address:	
State:	
Name of CMD/MD:	Telephone/E-mail (CMD/MD):
Type of Laboratory:	
Laboratory Telephone:	Email:
Head of Pathologists:	Telephone (Head of Pathologists):
Head of Medical Laboratory Scientists:	Telephone (Head of Medical Laboratory SCientists):
Number of test requested monthly:	Number of test requested annually:
Number of test completed:	Number of test repeated:
Number of test referred:	
Referral Network	
Is a back-up laboratory formally designated for specimen referral in the event of instrument breakdown or power outage? If so, list the names of the back-up laboratory.	List the names and types of laboratories to which the laboratory refers specimens.

5.0 Staffing Summary

Profession	Number of Full Time Equivalents (FTEs)	Adequate for Facility Operations							
Pathologist		Yes	No	Insufficient Data					
Medical Laboratory Scientist		Yes	No	Insufficient Data					
Resident Doctor		Yes	No	Insufficient Data					
Medical Laboratory Science Trainee		Yes	No	Insufficient Data					
Laboratory Technician		Yes	No	Insufficient Data					
Laboratory Assistant		Yes	No	Insufficient Data					
Data Clerk		Yes	No	Insufficient Data					
Phlebotomist		Yes	No	Insufficient Data					
Cleaner(s) dedicated to laboratory:		Yes	No	Insufficient Data					
Driver dedicated to laboratory:		Yes	No	Insufficient Data					
Other		Yes	No	Insufficient Data					
If the laboratory has IT specialists, accountants or non-laboratory-trained management staff this can be listed below:									
Does the laboratory provide on-call	services?	Yes	No	Insufficient Data					

Available Laboratory Investigations (respond as applicable)

Test Type	Sample Type	Instrument Used	Average No. of Test per Month	Instrument currently functioning? (Y/N/NA)	Regular maintenance service in place? (Y/N)	Last date of service					
HEMATOLOGY											
Pathologist In-Charge:											
Medical Laboratory Scienti	st In-Charge:										
CBC: HB, WBC, and Platelet											
Differential Count											
Peripheral blood smear examinations											
Cd4 Count / CD4%											
Malaria, thick and thin blood film examinations											
Blood grouping & cross matching											
Coagulation Test											
Sedimentation rate											

CHEMISTRY Pathologist In-Charge:								
Medical Laboratory Scientist In-Charge:								
Routine chemistry (blood): urea, electrolytes, creatinine, glucose, liver function and renal tests, muscle enzymes, lipid profile								
Urinalysis: urine chemistry, microscope examination								
Pregnancy test: urine and blood								
CSF Chemistry -total protein, glucose, LDH								
Whole blood lacate								

Available Lab Tests (tick as applicable)

n-Charge	e:				
n-Charge	e:				
n-Charge	e:				
					1
		1			
n-Charge	e:				
ble)					
erred from	n this laborator	ry to another facility	y for testing		
		Laborato	ory Referred to		
			erred from this laboratory to another facilit	ble) erred from this laboratory to another facility for testing Laboratory Referred to	erred from this laboratory to another facility for testing

	YES	NO	N/A	Comments	Allotted Scores	Scores Assessed
5.1 FACILITY & SAFETY						
Is the layout of the laboratory workstations appropriate for optimal workflow?	YES	NO	N/A		3	
Standard: The laboratory floor plan should be co	onfigure	d to pro	mote hig	gh quality work, personnel safety, and	efficient opera	tions
Are the client area and the testing areas of the laboratory distinctly seperate?	YES	NO	N/A		1	
Is the physical work environment appropriate for testing?	YES	NO	N/A		3	
Is the workplace:	Tick It	tems Pi	resent			
Free of clutter?						
Adequately ventilated?						
Free of excess moisture? Adequately lit?						
Are wires and cables properly located and protected from traffic?						
Is there a functioning back-up power supply?						
Are critical equipment supported by uninterrupted power source (UPS) systems?						
Are equipment placed appropriately, i.e. away from water hazards, out of traffic areas, etc.						
Is a contingency plan in place for continuous testing in the event of prolonged electricity disruption?						
Are appropriate provisions made for adequate water supply?						
Is clerical work completed outside the testing area?						
Standard: The laboratory space should be sufficie out quality procedures and documentation. The land within acceptable temperature ranges. Emerand other essential equipment to prevent damag should be equipped with surge controls. Distilled an	aborato gency p e and d	ry shoul ower sh isruption	d be cled ould be a due to	in and well organised, free of clutter, w available to sensitive instruments, tem unexpected power fluctuations and ou	vell ventilated, o perature contr	adequately lit, olled storage,
Is the laboratory properly secured from unauthorised access with appropriate signage?	YES	NO	N/A		1	
Standard: The access of unauthorised persons to contaminated areas, reagents, or equipment. Unn	the labo ecessary	ratory s traffic d	hould be Ilso distu	e strictly limited to avoid the unnecessa rbs workflow and can distract staff men	ry contact of in nbers	dividuals with
Is major safety signage posted and enforced in the laboratory, prohibiting eating, drinking, and storing food/drink in laboratory refrigerators, etc.?	YES	NO	N/A		1	
Standard: Laboratories should post specific warn biohazard warning on laboratory door). Eating, dr	ning and inking ar	d hazaro nd smok	d signage ing are p	e to ensure the safety of laboratory stronibited in the laboratory.	aff and visitors	(e.g., posting
Are patients samples stored separately from reagents and blood products in the laboratory refrigerators and freezers?	YES	NO	N/A		1	
Standard: Laboratory reagents and blood product	ts should	be stor	ed separ	ately when refrigerated or frozen.		

	YES	NO	N/A	Comments	Allotted Scores	Scores Assessed
Is the work area clean, free of leakage & spills, and properly disinfected daily?	YES	NO	N/A		1	
Standard: The work area should be regularly in surfaces disinfected with an appropriate disinfectal and immediately following every spill.						
Is an appropriate fire extinguisher available, in working condition, and routinely inspected?	YES	NO	N/A		1	
Standard: An approved fire extinguisher should readiness. Fire extinguishers should be kept in assi blockage, pressure gauges should show adequate	gned pla	ice, not i	hidden o	r blocked, the pin and seal should be in:		
Is an operational fire alarm system in place in the laboratory?	YES	NO	N/A		1	
Standard: A fire alarm should be installed in the drills.	laborato	ory and	tested re	egularly for readiness and all staff shou	ıld participate i	in periodic fire
Are safety inspections or audits conducted regularly and documented?	YES	NO	N/A		1	
Standard: Safety inspections or audits, using a environment and identify areas for redress and cor	safety c rection.	hecklist,	should	be conducted periodically to ensure t	he laboratory i	is a safe work
Is standard safety equipment available and in use in the laboratory	YES	NO	N/A		2	
	Tick I	tems P	resent			
Biosafety cabinet(s)						
Covers on centrifuge(s)						
Hand-washing station						
Eyewash station Spill kit(s)				•		
First aid kit(s)						
Standard: It is the responsibility of laboratory m above is a partial list of necessary items.	anagen	nent to e	ensure th	ne laboratory is equipped with standa	rd safety equip	ment. The list
Subtotal					16	

	YES	NO	N/A	Comments	Allotted Scores	Scores Assessed
5.2 ORGANIZATION & MANAG	EME	NT				
Does the department have in place a long and short-term strategic plan for quality improvement?	YES	NO	N/A		3	
Is the scope of service clearly defined?	YES	NO	N/A		1	
Is a work plan and budget in place for the laboratory?	YES	NO	N/A		1	
Does the laboratory supervisor perform a documented review of quality records routinely?	YES	NO	N/A		2	
Standard: There must be documentation that the that recurrent problems have been addressed, an audit reports, surveillance reports, quality index planning.	nd that n	ew or re	edesigned	d activities have been evaluated. These	documents in	clude: internal
Does the laboratory management identify and undertake quality improvement projects?	YES	NO	N/A		2	
Standard: Management should regularly review i	nternal d	audit rep	orts and	use results to implement quality impro	vement project.	S.
Does the laboratory management have developed policies, procedures and manuals in place?	YES	NO	N/A		1	
Does the management ensure that these documents are implemented by the laboratory staff?	YES	NO	N/A		1	
Are drivers/couriers involved in sample transport trained in the appropriate and safe transportation of specimens?	YES	NO	N/A		1	
Is a safety officer designated to implement and monitor the safety programme in the laboratory?	YES	NO	N/A		1	
Standard: A safety officer should be designated ongoing safety conditions and needs of the laborate	to work tory, coo	k with ti rdinate	he laboro safety tro	atory manager to implement the safe iining, and serve as a resource for other	ety programme staff.	, monitor the
Are daily routine work tasks established, assigned, and monitored?	YES	NO	N/A		1	
Standard: Daily routines should be prioritized, org	janized,	and coc	rdinated	to achieve optimal service delivery for p	patients.	
Are lines of authority and responsibility clearly defined for all laboratory staff, including the designation of a supervisor?	YES	NO	N/A		1	
Standard: An up to date organisational chart ar relationships for laboratory personnel.	nd/or na	rrative d	descriptic	on should be available detailing the ex	ternal and inte	rnal reporting
Is there a system for competency and performance assessment of staff and does it include planning and documentation of retraining and reassessment?	YES	NO	N/A		2	
Standard: Work performance evaluation shall be	regularly	/monito	ored for d	esigning the training plan.		

	YES	NO	N/A	Comments	Allotted Scores	Scores Assessed		
Does the laboratory have adequate training policies, procedures, and/or training plan, including cross training within the laboratory team, one-on-one mentoring and/or off-site external training	YES	NO	N/A		1			
Standard: In line with national laboratory training needs of laboratory personnel through both interne				hould have functional training policies o	and procedures	that meet the		
Are staff meetings held regularly?	YES	NO	N/A		2			
Do meetings include the following items:	Tick I	tems P	resent		•			
Are problems and complaints discussed?								
Are SOPs routinely reviewed?								
Are systemic and/or recurrent problems and issues addressed, including actions to prevent recurrence?								
Are improvement topics/projects discussed & evaluated?								
Are meeting notes recorded and monitored for progress on issues?								
Standard: There should be regular meetings to en review of progress over time.	Standard: There should be regular meetings to ensure communication within the laboratory. Meetings should have recorded notes to facilitate review of progress over time.							
Subtotal					20			

	YES	NO	N/A	Comments	Allotted Scores	Scores Assessed
5.3 EQUIPMENT						
Is equipment installed and placed as specified in operators' manuals?	YES	NO	N/A		1	
Standard: The analytical and logistics technolog services	y has to	be avai	lable on	a level which fulfil the minimal require	ment for qualit	y diagnostic
Is current equipment inventory data available on all equipment in the laboratory?	YES	NO	N/A		1	
	Tick I	tems P	resent			
Name of equipment						
Manufacturer						
Serial number						
Date of purchase				<u> </u>	ı	
Is relevant equipment service information readily available in the laboratory?	YES	NO	N/A		2	
	Tick It	tems P	resent			
Service contract information						
Contact details for service provider						
Last date of service						
Next date of service					1	I
Is non-functioning equipment removed from the laboratory and storage area?	YES	NO	N/A		1	
Is routine calibration of laboratory equipment - including pipettes, centrifuges, balances, and thermometers - scheduled and verified?	YES	NO	N/A		2	
Is equipment routinely serviced according to schedule and documented in appropriate logs?	YES	NO	N/A		1	
Are there back-up procedures for equipment failure?	YES	NO	N/A		2	
Standard: Contingency plans must be in place, disruption, planning may include the use of a be laboratory, or the freezing of samples until testing.	ack-up i	nstrume	f equipm ent, the u	ent failure, for the completion of test use of different testing method, the re	ing in the ever ferral of sampl	nt of a testing les to another
Are the equipment manufacturer's operator manuals readily available to bench staff?	YES	NO	N/A		1	
Subtotal					11	

	YES	NO	N/A	Comments	Allotted Scores	Scores Assessed
5.4 INVENTORY MANAGEMENT	г					
Is an inventory control managemnt system in place?	YES	NO	N/A		2	
Are supply & reagent specifications periodically reviewed?	YES	NO	N/A		1	
Are storage areas set up and monitored appropriately?	YES	NO	N/A		3	
	Tick It	ems P	resent			
Is the storage area well organised and free of clutter?						
Are there set places labelled for all inventory items?						
Are hazardous chemicals stored appropriately?						
Is adequate cold storage available?						
Is temperature monitoring conducted according to MSDS instruction?						
Is storage in direct sunlight avoided						
Is storage area adequately ventilated?						
Is the storage area clean and free of dust and pest						
Are expiry products disposed off properly?	YES	NO	N/A		1	
Has the laboratory provided uninterupted testing services with no disruptions due to stock outs in the last year (or since the last assessment)	YES	NO	N/A		2	
Subtotal					9	

	YES	NO	N/A	Comments	Allotted Scores	Scores Assessed
5.5 PROCESS CONTROL (Interna	l and	Exte	nal Q	uality Assessment)		
Are SOPs for specific testing present and easily accessible at the workbench?	YES	NO	N/A		2	
	Tick It	tems P	resent			
Does the SOP include procedures that ensure specimen integrity and prevent mixing of samples?						
Is internal quality control (IQC) performed, documented, and reviewed prior to release of patient results?	YES	NO	N/A		2	
Are QC results monitored for biases, shifts and trends?	YES	NO	N/A		2	
Are test requests crosschecked with test results thereby assuring completion of all tests?	YES	NO	N/A		1	
Is there a procedure for result reporting including use of standardized abbreviations and standard report form?	YES	NO	N/A		1	
Are corrective actions taken on results violations?	YES	NO	N/A		1	
Are guidelines for patient identification specimen collection, labelling, and transport readily available to persons responsible for primary sample collection?	YES	NO	N/A		2	
Are adequate specimen collection, receiving and storage procedures in place?	YES	NO	N/A		2	
	Tick It	tems P	resent			
Are specimens labelled with time, date, patient ID, and collector's initials?						
Are all test requests accompanied by an approved test requisition form?						
Are specimens logged appropriately upon receipt in the laboratory?						
Is a two-identifier system in use and is each sample assigned a unique identifying number?						
Are specimens delivered to the correct work stations in a timely manner?						
Are specimens stored appropriately?	YES	NO	N/A		1	
Standard: Specimens should be stored under the	e approp	oriate co	nditions	to maintain the stability of the specim	en.	
Are specimens packaged appropriately for shipment to referral laboratory?	YES	NO	N/A		1	
Are referred specimens tracked properly, using a logbook or tracking form?	YES	NO	N/A		1	

Is each new lot number or new shipment of microbiology media checked for sterility and its ability to support growth before being incorporated into patient testing?	YES	NO	N/A		1	
Are environment checks/temperature logs complete, accurate, and regularly reviewed?	YES	NO	N/A		1	
Are the following environmental checks performed daily?	Tick It	tems P	resent		2	
Room temperature						
Humidity						
Freezers						
Refrigerator						
Incubators						
Water Bath						
Have acceptable ranges been defined for all temperature dependent equipment with procedures that detail what to do when temperatures are out of range?	YES	NO	N/A		1	
Standard: Acceptable ranges should be defined for as to what action(s) should be taken when tempera				dent equipment and procedures should	l be available w	ith instruction
Subtotal					21	

	YES	NO	N/A	Comments	Allotted Scores	Scores Assessed
5.6 DOCUMENTS & RECORDS						
Is there a system or procedure for document & record control?	YES	NO	N/A		1	
Standard: A document control system should be personnel, authorized by proper authorities, rev. Laboratories should maintain a document control.	riewed d	innually	, and in	nmediately prior versions filed separa		
Are documents and records properly maintained and easily accessible by the authorized personnel?	YES	NO	N/A		2	
Standard: Records, policies and procedures shoul maintained in electronic form, they should be back	d be rea ed-up or	dily acce n CD or e	essible, e other me	ither in paper copy or electronic form. I dia, and only authorised personnel sho	f documents ar uld have access	nd records are s to them.
Are these Standard Operating Procedures (SOPs) current and available for laboratory functions?	YES	NO	N/A		2	
SOPs for:	Tick It	ems Pı	resent			
Writing SOPs for laboratory procedures						
Each testing procedure performed						
Laboratory safety						
Equipment maintenance						
Document and record control						
Specimen Collection and Procurement						
Quality Assurance						
Employee communication of concerns about test quality and laboratory safety						
Are SOPs reviewed and updated at least once a year?	YES	NO	N/A		1	
Are SOPs changes documented, approved and communicated to staff immediately?	YES	NO	N/A		1	
Standard: Standard Operating Procedures (SOF laboratory, safety and waste disposal, document assurance. SOPs should be reviewed for accuracy of	t control	specin	nen colle	ction and processing, inventory contri		
Are SOPs easily accessible/available to all staff?	YES	NO	N/A		1	
Is there a laboratory quality manual containing quality assurance policies and procedures?	YES	NO	N/A		2	
Standard: A quality manual should be avilable the the laboratory service, and identifies the goals an procedures) for all areas of the laboratory service a	nd object	ives of t	he quali	ty programme. The quality manual inc	licies that addre clude policies (p	ess all areas of processes and

	YES	NO	N/A	Comments	Allotted Scores	Scores Assessed
Is a laboratory safety manual available, accessible and up-to-date?	YES	NO	N/A		2	
Does the safety manual include guidelines on the following topics?	Tick It	ems P	resent			
Blood and Body Fluid Precautions						
Hazardous Waste Disposal						
Hazardous Chemicals/Materials						
MSDS Sheets						
Personal, protective equipment						
Fire Safety						
Electricity Safety						
Subtotal	•				12	

•		,					
	YES	NO	N/A	Comments	Allotted Scores	Scores Assessed	
5.7 INFORMATION MANAGEM	ENT						
Are test results legible, technically verified, and confirmed against patient identity?	YES	NO	N/A		1		
Are testing personnel identified on the requisition and record?	YES	NO	N/A		1		
Are test results recorded in a logbook or electronic record in a timely fashion	YES	NO	N/A		1		
Is there a system for reviewing clerical errors?	YES	NO	N/A		1		
Are archived results stored in a secure location accessible only to authorised personnel?	YES	NO	N/A		1		
Are there documented procedures for the preservation of essential laboratory data in the event of hardware/software failure, theft, or an unexpected destructive event (e.g., fire, flood).	YES	NO	N/A		1		
Standard: The laboratory should have a procedure to protect essential data in the event of equipment failure and/or an unexpected destructive event. These procedures could include flood and fire safe storage of data, periodic back-up and storing of information, and off-site storage of back-up data.							
Subtotal					6		

	YES	NO	N/A	Comments	Allotted Scores	Scores Assessed
5.8 OCCURRENCE/INCIDENCE	MANA	AGEN	IENT			
Is there any designated incidence reporting book in the laboratory?	YES	NO	N/A		3	
Are laboratory occurrence reports completed and is corrective and preventive action taken on all reports to avoid recurrence?	YES	NO	N/A		3	
Standard: Errors and incidents should be docume or patterns caused by underlying system probler together for review.	nted, inv m(s). Fo	vestigate r this re	ed, and c eason the	orrected. Investigation of individual pro laboratory should periodically group	bblems may not errors and inc	reveal trends cident reports
Are quality indicators (TAT, rejected specimens, stock outs, etc.) selected, tracked, and reviewed regularly?	YES	NO	N/A		2	
Standard: Key indicators of quality must be monit be drawn from pre-analytic, and post-analytic proportion of the laboratory's patients, or areas benchmark from an acknowledged guideline.	hases ā	nd refle	ect activit	ies critical to patient outcomes, those	that correspo	nd to a large
Does the laboratory management review all operational procedures periodically in order to identify any form of non-conformance or opportunities for process quality improvements?	YES	NO	N/A		2	
Are action plans for relevant areas for continuous improvement developed and implemented regularly?	YES	NO	N/A		2	
Is there a criteria and procedure for handling out of control or non-conformable test runs?	YES	NO	N/A		2	
Are corrective actions taken on out of control test runs?	YES	NO	N/A		2	
Standard: Results reported during non-conforme	ance tes	t runs s	hould be	recalled when the violation level is cri	tical to patient	care.
Are occupational injuries or illnesses documented in the safety/occurrence log?	YES	NO	N/A		1	
Standard: All occupational injuries/illnesses show on the laboratory. Corrective actions taken by the le						og, depending
Subtotal					17	

	YES	NO	N/A	Comments	Allotted Scores	Scores Assessed
5.9 CLIENT MANAGEMENT						
Is there any developed process or tool for monitoring clients' satisfaction and complaint?	YES	NO	N/A		3	
Is there any procedure developed and documented for receiving clients feedback, suggestions, and reporting to laboratory and top management?	YES	NO	N/A		2	
Do the laboratory management develop an implementation plan to address all complaints?	YES	NO	N/A		2	
Subtotal					7	

	YES	NO	N/A	Comments	Allotted Scores	Scores Assessed	
5.10 INFECTION CONTROL							
ls a personal protective equipment (PPE) easily accessible at the workstation and utilised appropriately and consitentently?	YES	NO	N/A		1		
Standard: Management is responsible to provide appropriate personal protective equipment -gloves, lab coats, eye protection, etcin useable condition. Laboratory staff must utilize personal protective equipment in the laboratory at all times. Protective clothing should not be worn outside the laboratory. Gloves should be replaced immediately when torn or contaminated and not wash for reuse.							
Are laboratory personnel offered appropriate vaccination(s)?	YES	NO	N/A		1		
Standard: Laboratory staff should be offered app but should sign a declination form to be held in the	,		,	3 1 3	ne to receive th	e vaccination,	
Are post-exposure prophylaxis policies and procedures posted and implemented?	YES	NO	N/A		1		
Standard: The laboratory must have a procedure to HIV, HBV, or HCV. The procedure should include						skin exposure	
Are staff supported to have annual medical check-ups and appropriate vaccinations?	YES	NO	N/A		1		
Standard: Annual medical check-ups and vaccina	tions sh	ould be	supporte	d	•		
Subtotal					4		

	YES	NO	N/A	Comments	Allotted Scores	Scores Assessed
5.11 WASTE MANAGEMENT						
Is a certified and maintained biosafety cabinet used for all specimens or organisms considered to be highly contagious by airborne routes? (Biosafety cabinet should be recertified according to national protocol).	YES	NO	N/A		3	
Standard: A biosafety cabinet should be used to p full protection, biosafety cabinets require periodic n					s. For proper fu	nctioning and
Is waste disposal separated into infectious & non-infectious waste, autoclaved, incinerated or buried?	YES	NO	N/A		1	
Standard: Waste should be separated according to Infectious waste should discarded into containers needles should be discarded in puncture resistant discarded to decontaminate potentially infectious in a pit, or buried.	that do contain	not lea ers. Boti	k and ar h infectio	e clearly marked with a biohazard syn us waste and sharps containers should	nbol. Sharp ins d be autoclaved	truments and d before being
Are 'sharps' handled & disposed of properly in 'sharps' containers that are appropriately utilized?	YES	NO	N/A		1	
Standard: All syringes, needles, lancets, or other bloodletting devices capable of transmitting infection must be used only once and discarded in puncture resistant containers that are not overfilled. Sharps containers should be clearly marked to warn handlers of the potential hazard and should be located in areas where sharps are commonly used.						
Subtotal					5	



SUMMARY
Noted Challenges:
Noted Recommendations: