

LABORATORY CERTIFICATION CHECKLIST

Important Reminders

General:

1) This checklist is expanded from the WHO Laboratory Biosafety Manual (3rd ed.) certification checklist and include certification criteria specified by the Ministry of Health (MOH), Singapore. Items with (M) are the additional criteria set by MOH.

2) An MOH officer shall be present during the independent measurements/tests and physical inspection phase of the certification/re-certification.

3) The facility being certified and the MOH-Approved Facility Certifier are both responsible in informing MOH of the certification/re-certification schedule at least 2 weeks before the scheduled inspection.

Laboratories:

1) The laboratory being certified should have an emergency response plan in place; and

(a) The laboratory staff must be able to demonstrate competency in handling small laboratory accidents (e.g. minor spills, etc) upon MOH's request

(b) There should be a regular drill conducted together with the Singapore Civil Defense Force (SCDF). The presence of an MOH officer is required during the drill as the conduct of the drill will be audited by MOH.

MOH-Approved Facility Certifier:

1) MOH-approved certifier is advised to read and understand the requirements of the Biological Agents and Toxins Act (BATA) before carrying out any certification process.

2) A certifier is not allowed to certify a BSL3 facility that he has commissioned or has provided maintenance services in the past 3 years.

3) The MOH-AFC team must be composed of at least one microbiologist and one engineer

4) The certifiers must ascertain that the facility's engineering controls have sufficient redundancy¹ and/or a system in place to ensure the continuous and safe operation of the biocontainment laboratory. Documentation of such tests is required in the certification report. If the facility does not meet this criteria, the facility operator should have SOP's to manage the failure scenario and to ensure safety of the facility personnel is guarded at all times.

5) The validity of an MOH-Approved Facility Certifier is up to 5 years upon the discretion of the MOH.

6) The Certifier's registration may be revoked if Director has reason to believe that the certification criteria are not met by the certifier.

¹Examples of redundancy include emergency power supply, un-interrupted power supply, additional air handling unit and/or exhaust fans.

Laboratory certification checklist.

Location: _____

Date: _____

Person in charge of laboratory: _____

S/N	Checked item (Enter date checked)	Yes	No	N/A	Comments
	<i>ENGINEERING CONTROLS</i> <i>(1) General Engineering Controls</i>				
1	(M) Curbs installed at: <ul style="list-style-type: none"> • emergency door • shower area 	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	
2	Laboratory airflow is negative to general occupancy, corridor and office areas.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	Cup sinks or drains acting as vents.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	Sink available for hand-washing.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	Exposed machine parts (pulleys, gears).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6	Vacuum line has filters and traps on laboratory benches.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7	Backflow hazards to water supply.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	Distilled water systems in good condition.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9	Active and effective arthropod and rodent control programme.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

S/N	Checked item (Enter date checked)	Yes	No	N/A	Comments
	ENGINEERING CONTROLS <i>(2) Laboratory Design</i>				
10	Proper hazard signage for ultraviolet light, laser, radioactive material, National Fire Protection Association (NFPA) 704 chemical, flammable liquid, flammable gas, toxic, et cetera.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
11	Laboratory equipment properly labelled (biohazardous, radioactive, toxic, et cetera.).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
12	Laboratory designed for easy cleaning.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13	Room ultraviolet lights on interlock switch.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
14	All shelves secured.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
15	Bench-tops waterproof and resistant to acids, alkali, organic solvents and heat.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
16	Adequate illumination provided.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
17	Adequate storage space available and appropriately used.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
18	(M)Biohazard sign posted on laboratory door: <ul style="list-style-type: none"> • has the name and contact number of the responsible investigator as well as the person to contact during emergency • has accurate and current information • is legible and not defaced. 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
19	All doors closed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

S/N	Checked item (Enter date checked)	Yes	No	N/A	Comments
20	Hand-washing sink available near laboratory exit.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
21	Laboratory separated from unrestricted traffic flow in building.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
22	Access to laboratory through an anteroom with self-closing doors.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
23	All penetrations in laboratory sealed or sealable for decontamination.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
24	Room exhaust air single-pass and exhausted away from occupied areas.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
25	Controlled ventilation system to monitor directional airflow available.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
26	(M) Exhaust air must be high-efficiency particulate air (HEPA) filtered before discharge out of the laboratory.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<i>ENGINEERING CONTROLS</i> <i>(3) Biological Safety Cabinet (BSC)</i>				
27	Certification within last year.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
28	BSC surface wiped down with appropriate disinfectant at beginning and end of each procedure.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
29	Front grill and exhaust filter unobstructed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
30	Open flames used inside cabinet.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

S/N	Checked item (Enter date checked)	Yes	No	N/A	Comments
31	Vacuum lines have in-line filters and disinfectant traps in use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
32	BSC compromised by room air or location.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
33	BSC used when there is potential for creating aerosols.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	ENGINEERING CONTROLS <i>(4) Gas cylinder</i>				
34	All cylinders secured.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
35	Caps on reserve cylinders.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
36	Asphyxiating and hazardous gases only in ventilated rooms.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
37	Excess or empty cylinders present.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	ENGINEERING CONTROLS <i>(5) Refrigerators/freezers/cold rooms</i>				
38	Food for human consumption present.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
39	Flammables in explosion-proof/-safe units.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
40	Labelled externally if containing carcinogens, radioactivity and/or biohazards.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

S/N	Checked item (Enter date checked)	Yes	No	N/A	Comments
41	Cold-room has emergency release.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ENGINEERING CONTROLS <i>(6) Electrical Equipment</i>					
42	Extension cords present.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
43	Outlets earthed/grounded and with proper polarity.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
44	Connections by sinks, under showers, et cetera.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
45	Equipment with frayed or damaged wiring.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
46	Overloaded outlets or electrical strips.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
47	Power strips mounted off the floor.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
48	Proper fuses in conduits.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
49	Electrical outlets near water sources meet local codes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
50	Earths/grounds present on electrical cords.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
51	Portable space heaters.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

S/N	Checked item (Enter date checked)	Yes	No	N/A	Comments
	<i>ENGINEERING CONTROLS</i> <i>(7) General Laboratory Housekeeping</i>				
52	Glass containers stored on the floor.				
53	Trip hazards evident.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
54	Clean absorbent pads on work surfaces.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
55	Broken glassware handled by mechanical means (brush and dustpan, tongs, et cetera.).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<i>ENGINEERING CONTROLS</i> <i>(8) Fire Protection</i>				
56	Sprinkler heads free and unobstructed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
57	Open penetrations in walls, ceiling, floor, et cetera.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
58	Wiring or tubing through door openings.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
59	Minimum passage width of 1 m in laboratory.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
60	Storage observed on ductwork or light fixtures.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
61	Excess combustibles stored in laboratory.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

S/N	Checked item (Enter date checked)	Yes	No	N/A	Comments
	<i>ENGINEERING CONTROLS</i> <i>(9) Heated Constant Temperature Baths</i>				
62	Equipped with low water level and overheat shutoff.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
63	Constructed of noncombustible materials.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<i>ADMINISTRATIVE CONTROLS</i> <i>(1) Management's responsibilities</i>				
64	Appropriate biosafety guidelines available and followed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
65	(M) Appointment of Biosafety Committee.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
66	(M) Appointment of Biosafety Coordinator.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
67	(M) Proper inventory control system of all scheduled organisms in facility including records of: • quantities received • quantities transferred out • quantities destroyed or disposed of.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
68	(M) Proper maintenance of records: • records of laboratory accidents • records of infections acquired by staff in the course of performing their duties.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

S/N	Checked item (Enter date checked)	Yes	No	N/A	Comments
69	(M) Health surveillance and disease monitoring of staff.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
70	(M) Ensure that trainer(s) who provide training to staff have the competency and qualifications as follows: <ul style="list-style-type: none"> • tertiary academic qualifications in Biomedical Sciences or equivalent field. • significant working experience (3 years or more) in a BSL-3 or higher containment laboratory • significant experience (3 years or more) in direct laboratory safety management • significant experience (3 years or more) in developing and providing safety training courses. 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
71	(M) Maintenance of training records: <ul style="list-style-type: none"> • ensure that staff has received adequate training • training received by biosafety coordinators are from MOH approved training providers (ATP). 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
72	(M) For inactivation of organisms, the method of inactivation should be approved by the Biosafety Committee, and the method validated to be effective, before inactivated materials can be transferred to another laboratory/lower containment level for manipulation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
73	(M) Report on risk assessment conducted as specified in the WHO laboratory biosafety manual, 3 rd edition (WHO guidelines).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
74	(M) Appropriate contingency plans and SOPs developed and verified by Singapore Civil Defense Force.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

S/N	Checked item (Enter date checked)	Yes	No	N/A	Comments
	<i>ADMINISTRATIVE CONTROL</i> <i>(2) Laboratory Access</i>				
75	Access limited and restricted to authorized personnel.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
76	Entry limited to personnel advised of all potential hazards .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<i>ADMINISTRATIVE CONTROL</i> <i>(3) Chemicals</i>				
77	Flammables stored in flammable storage cabinet.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
78	Peroxide formers double-dated (received and opened).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
79	Chemicals properly segregated.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
80	Hazardous chemicals stored above eye level.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
81	Chemicals stored on the floor.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
82	Chemical containers left open.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
83	All solutions properly labelled.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
84	Mercury thermometers in use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

S/N	Checked item (Enter date checked)	Yes	No	N/A	Comments
	<i>ADMINISTRATIVE CONTROL</i> <i>(4) Decontamination</i>				
85	Decontaminant specific to the organism(s) in use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
86	All spills and accidents involving infectious materials reported to the laboratory supervisor.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
87	Appropriate decontaminant used during spill clean-ups.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
88	Work surfaces decontaminated before and after each procedure, daily and after spills.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
89	(M) All contaminated waste materials must be autoclaved or decontaminated chemically before removal from the certified facility.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<i>ADMINISTRATIVE CONTROL</i> <i>(5) Waste Management</i>				
90	Evidence of improper waste disposal.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
91	Wastes segregated in proper containers.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
92	Chemical waste containers tagged, labelled, dated and kept closed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

S/N	Checked item (Enter date checked)	Yes	No	N/A	Comments
93	Chemical waste containers appropriately handled and stored.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
94	Sharps containers used and disposed of properly.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
95	No trash on floor.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
96	Waste disposal procedures posted in laboratory.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
97	Infectious waste containers properly used.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
98	Containers not overfilled.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
99	Containers properly labelled and closed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
100	Culture stocks and other regulated waste properly decontaminated before disposal.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
101	Materials decontaminated outside the laboratory transported in closed, durable, leakproof containers according to local rules and regulations.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
102	Mixed waste biologically decontaminated prior to disposal as chemical or radiological waste.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	ADMINISTRATIVE CONTROL <i>(6) Occupational Health and Safety Programmes available</i>				
103	Hazard communication.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
104	Respiratory protection.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

S/N	Checked item (Enter date checked)	Yes	No	N/A	Comments
105	Hearing conservation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
106	Formaldehyde monitoring.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
107	Ethylene oxide monitoring.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
108	Anaesthetic gas monitoring.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<i>ADMINISTRATIVE CONTROL</i> <i>(7) Practices and procedures</i>				
109	Food for human consumption stored outside the laboratory.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
110	Microwave oven(s) clearly labelled "No Food Preparation, Laboratory Use Only".	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
111	Eating, drinking, smoking and/or applying of cosmetics occurring in the laboratory.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
112	Pressurized glass containers taped or shielded (i.e. vacuum traps).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
113	Mouth pipetting prohibited.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
114	Mechanical pipetting devices available and used.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
115	Protective laboratory clothing stored separately from street clothing.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

S/N	Checked item (Enter date checked)	Yes	No	N/A	Comments
116	BSC used when potential for creating infectious aerosols/splashes exists.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
117	Biosafety manual prepared and adopted.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
118	Personnel read, review and follow the instructions on practices and procedures, including safety or operations manual (required for all personnel annually).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
119	Procedures performed so as to minimize aerosols/splashes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
120	Needle-locking syringes/single-use needle-syringe units used with infectious agents.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
121	Centrifuge cups and rotors opened only in a BSC.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
122	Infectious specimens transported outside a BSC in approved containers following approved transport regulations.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
123	Mucous membrane protection provided when working with infectious material outside a BSC.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
124	Personnel advised of special hazards associated with the agent(s).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
125	Personnel required to read and follow all instructions on practices and procedures, including safety or operations manual.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
126	Personnel receive annual updates/additional training for procedural changes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
127	All contaminated waste autoclaved prior to disposal.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

S/N	Checked item (Enter date checked)	Yes	No	N/A	Comments
	<i>PROTECTION OF STAFF</i> <i>(1) Personal Protection</i>				
128	Eyewash available in laboratory.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
129	Safety shower available.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
130	Personal protective equipment available (gloves, gowns, goggles, et cetera).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
131	Occupants properly attired.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
132	Laboratory coats, gowns, smocks, gloves and other personal protective clothing not worn outside the laboratory.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
133	Personal protective equipment available for cryogenic storage.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
134	Laboratory personnel reminded of appropriate immunizations/tests for agents handled.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
135	Appropriate medical services contacted for medical evaluations, surveillance and treatment of occupational exposures.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
136	Gloves worn when handling infectious material or contaminated equipment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
137	Face protection provided when working outside the BSC with infectious material.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

S/N	Checked item (Enter date checked)	Yes	No	N/A	Comments
138	Hands washed after removing gloves, after working with infectious agents, before leaving the laboratory.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
139	Antimicrobial agent available for immediate first aid.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
140	Closed-front gowns worn in laboratory.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
141	Protective laboratory clothing worn only in laboratory areas.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
142	Hand-washing sink foot, elbow or automatically controlled.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<i>PROTECTION OF STAFF</i> <i>(2) Hand Protection</i>				
143	Double gloves worn when handling infectious material, potentially contaminated equipment and work surfaces.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<i>PROTECTION OF STAFF</i> <i>(3) Respiratory Protection</i>				
144	Respiratory protection worn by all personnel in the laboratory when aerosols are not safely contained in a BSC.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

S/N	Checked item (Enter date checked)	Yes	No	N/A	Comments
	<i>EMERGENCY RESPONSE</i>				
145	Laboratory personnel has demonstrated competency in performing emergency response procedures/spill management. Specify the type of ERP demonstrated: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Name of certifier: _____

Company's stamp: _____

Certifier's signature: _____

Date certification completed: _____