

Inspection Checklist: Biosafety Level 2 (Aquatic Facility)

Department of Biosafety

Applicant/JBK Ref No.:	Inspector:
Premise:	Date:
Principal Investigator:	Time:

Check (✓) in the appropriate box that best describes the laboratory in which work will be performed.

A. Arthropod Facilities		Yes	No	NA	Details / Comment
1.	Is a universal biohazard symbol for BSL 2 posted at the entrance of the arthropod facility? Do the sign include name, and phone number of the facility's supervisor or other responsible personnel?				
2.	Is the rearing area confined and secured within the building?				
3.	Is the work on GM aquatic organisms performed in natural waterways?				
4.	Is the facility equipped with liquid effluent treatment systems and HEPA filter housings?				
5.	Is the liquid effluent treatment systems located close to the containment perimeter?				
6.	Is the liquid effluent treatment systems allow for the collection of samples of treated effluent?				
7.	Are all effluent water leave the facility through a common drain?				
8.	Are there any screens / filter in the common drain? How many screening of filters installed?				
9.	Are the screens / filters regularly cleaned?				
10.	Are the building sufficiently elevated to preclude flooding?				
11.	Are there any screens or filters fitted to outlets used for disposal of tank water?				
12.	Is there any sink for hand washing located within the facility?				
13.	Is the walls and floors of the facility resistant to chemical spills, absorption and effects of salt water?				
14.	Is there any equipment / storage areas and paperwork workstations inside the containment zone?				
15.	Is the directional airflow inward within the				

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	facility?				
16.	Is the circuit breakers and shut-off valves located outside the containment perimeter?				
17.	Is there any delivery systems installed within the facility?				
B. Safety Equipment		Yes	No	NA	Details / Comment
18.	Is there first aid kit available?				
19.	Are suitable PPE available and used by laboratory personnel?				
20.	Is there a biological spill kit available?				
21.	Are sharp instruments used within the facility are properly cleaned and disinfected?				
22.	Is a sharp bin available for disposal of and all syringes /needles/ sharps?				
C. Work Practices		Yes	No	NA	Details / Comment
23.	Is the facility limited to authorized personnel only? Is it regularly locked?				
24.	Is there any log book that recorded entry and exit of personnel within the facility area?				
25.	Is there any biosafety manual describing the aquatic facility practices in the Standard Operating Procedure (SOP)?				
26.	Is there a signage available for prohibiting from eating, drinking, smoking, handling contact lenses, applying cosmetics, and storing food for human consumption within the facility area?				
27.	Are all personnel handling the GM aquatic animals been properly trained regarding the infectious substances and potential zoonotic agents?				
28.	Are Personal Protective Equipment, PPE such as gloves, protective clothing and footwear are worn by the facility personnel at all times?				
29.	Are all personnel handling the GM aquatic wash their hands after removing gloves and before leaving the facility?				
30.	Are the LMO and non-LMO aquatic organism separated into containers?				
31.	Are the containers clearly labelled?				
32.	Are all organisms and contaminated waste				

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	rendered inviable prior to disposal?				
33.	Are the tank water used for work with LMO being treated before disposal or cleaning for reuse?				
34.	Are the tanks being decontaminated after use by a procedure?				
35.	Are the work surfaces been decontaminated using appropriate disinfectant?				
36.	Are there any living aquatic taken out from the facility?				
37.	Are leak proof containers used during transportation GM aquatic organism?				
38.	Is there any record of accident / incident of leak containers during transportation?				
39.	Is there any effective pest regulated program in the facility?				
D. Records and Documents For :		Yes	No	NA	Details / Comment
40.	Procurements and transfers of GMO/LMO				
41.	Biological material / LMO inventory				
42.	SOPS for contained use activity				
43.	Staff training and competency				
44.	Equipment maintenance				
45.	Decontamination and validation				
Additional comments/observations and recommendation :					

Inspector's signature:

Date: