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	Contact: UQBR Director	Location: UQBR Animal Facilities	Revision: 2

## UQBR SOP 44 – Disinfection within UQBR Facilities

### REQUIREMENT:

1. To ensure that the requirements and regulations as set out by the following are met as far as practicable:
  - AEU UQ
  - The Code
  - OGTR
  - Department of Agriculture and Fisheries (DAF)
  - QLD Workplace Health and Safety, and
  - UQ OH&S
2. To standardise practice for all UQBR staff and researchers within UQBR facilities.
3. Annual review is required to maintain best practice and usability of this SOP.

### RESPONSIBILITY:

It is the responsibility of the individual performing animal handling procedures and techniques to ensure they have been assessed as competent.

### Please Note:


This UQ Biological Resources (UQBR) SOP expands upon UQ Animal Ethics Unit SOPs. This document outlines the procedures followed by UQBR and should not be referenced in Animal Ethics Applications.

**No changes or deviations from this SOP are to occur unless the Director of UQBR gives prior authorisation.**

**NB: The use of (\*) indicates this statement is dependent on the facility procedures**

**NB: The use of (\*\*) indicates this statement is dependent on AEC Approvals**

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**OBJECTIVE:**

To describe the disinfection process to be used within the UQBR facilities.

**I. EQUIPMENT**

- PPE\*
- Disinfectant\*
- Paper towel
- Ethanol

**II. PREPARATION OF EQUIPMENT**

**III. PROCEDURE**

**Disinfecting Gloved Hands**

1. Spray gloved hands with disinfectant solution ensuring total coverage
2. Rub gloved hands together on both back and front of the gloved hand
3. Remove excess residue with paper towel when handling animals


**Disinfecting work surfaces**

1. Clear work surface of all items
2. Wipe the surface to remove all traces of dust and organic material
3. Ensure disinfectant is suitable for use on surface
4. Spray the surface ensuring to cover entire area
5. Wait for specified time to increase disinfectant's effectiveness
6. Remove excess residue with paper towel

**Disinfecting Equipment Items**

1. If required equipment may need to be thoroughly soaked and washed depending on condition
2. Wipe the surface or rinse with water and paper towel to remove all traces of dust and organic material
3. Ensure disinfectant is suitable for use on equipment item
4. Spray the equipment item ensuring to spray all outside and inside surfaces
5. Wait for specified time to increase disinfectant's effectiveness
6. Remove excess residue with paper towel

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### Disinfection of Animal Transport Container – Into UQBR Facilities for Unpacking\*

1. Wipe disinfectant onto air vents
2. Spray the outside of the transport container ensuring to spray each side and underneath and avoid spraying the air vents
3. Wait for specified time to increase disinfectant's effectiveness
4. Remove excess residue with paper towel\*

Note some facilities may use alternate methods to place animal transport containers into a facility


#### IV. CONSIDERATIONS

- Disinfection aims to minimise potential pathogens. Not all pathogens can be destroyed by the disinfecting process, however use of recommended concentrations and contact times will increase effectiveness
- Some active ingredients in disinfectants may corrode metals. Leftover residue should be removed with ethanol
- Some facilities may require further methods to remove potential pathogens such as sterilisation prior to use of equipment items
- Despite disinfecting animal transport containers it is still critical to disinfect gloved hands each time the transport container is touched and just prior to removing animals

#### V. SAFETY

1. All accidents, injury or near misses are to be reported immediately to the Facility Manager and recorded on a UQ OHS Incident Report Form.
2. Splash back into the face or eyes is a risk when performing this task. Protective visors or safety goggles must be worn where the risk assessment specifies this
3. Disinfectants can be hazardous and must be correctly labelled
4. In the event of a spill follow the facility emergency spill procedures
5. Ensure you have read the risk assessment and SDS for the disinfectant you are using

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## VI. REFERENCES

1. Australian code for the care and use of animals for scientific purposes (8<sup>th</sup> Edition, NHMRC 2013): <https://www.nhmrc.gov.au/guidelines/publications/ea28>
2. Code of Practice for the Housing and Care of Laboratory Mice, Rats, Guinea Pigs and Rabbits (DEPI, Vic 2004): <http://www.depi.vic.gov.au/agriculture-and-food/animal-health-and-welfare/animal-welfare/animal-welfare-legislation/victorian-codes-of-practice-for-animal-welfare/code-of-practice-for-the-housing-and-care-of-laboratory-mice,-rats,-guinea-pigs-and-rabbits>
3. Department of Agriculture and Fisheries (DAF): <http://www.daf.qld.gov.au/>
4. Guidelines to promote the wellbeing of animals used for scientific purposes (NHMRC, 2008): [https://www.nhmrc.gov.au/files\\_nhmrc/publications/attachments/ea18.pdf](https://www.nhmrc.gov.au/files_nhmrc/publications/attachments/ea18.pdf)
5. OGTR PC2 work requirements and regulations: <http://www.ogtr.gov.au>
6. QLD WH&S Act 2011: <https://www.worksafe.qld.gov.au/laws-and-compliance/workplace-health-and-safety-laws/laws-and-legislation/work-health-and-safety-act-2011>
7. UQ Animal Ethics Unit SOPs: <http://www.uq.edu.au/research/integrity-compliance/standard-operating-procedures-sops>
8. UQ OHS Unit: <http://www.uq.edu.au/ohs/>
9. UQ OHS Incident Report Form: <http://www.uq.edu.au/ohs/index.html?page=141331>
10. UQBR SOPs: [V:UQBR/SOPs/Common/UQBR SOPs](V:UQBR/SOPs/Common/UQBR_SOPs) and <http://biological-resources.uq.edu.au/secure/uqbr-sops>

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