

**Standard operating procedure (SOP) for handling and transport of
Genetically Modified Organisms (GMOs) under OGTR control**

**Hepatitis Virus Research Laboratory, Level 3, Molecular Life Science Building
School Molecular & Biomedical Science, University of Adelaide
(OGTR Certification 2606/2008)**

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GMO – e.g. Recombinant Fowlpoxvirus strains expressing DHBV antigens

1. Are strictly for *in vitro* use within the Hepatitis Virus Research Laboratory, room 3.34, School of Molecular and Biomedical Science, University of Adelaide (OGTR Cert 2606/2008).
2. All stocks of serum, extracted DNA and PCR products to be stored at -20oC or -80oC in the freezer located in the laboratory.

Register of use:

3. A register of all FPV stocks must be kept that details date, initial amount received, aliquot volumes, volumes used and method of disposal. A specific form has been generated for this purpose and should be regularly updated

Disposal:

4. Disposal of all FPV and solid waste (for example pipette tips, ELISA plates, gloves etc) must be performed by high temperature incineration as detailed in the attached: *Adelaide University, Department of Molecular Biosciences, Waste Management Plan.*
5. All liquid washes from ELISA plates must be discarded into a container containing enough chlorine to bring the final concentration when 70% full to 0.25-0.5% chlorine. Once 50-70% full the container should be placed in the fume hood overnight, then the contents discarded down the drain.

Transport of GMO to the IMVS Animal House:

6. FPV stocks if used for *in vivo* work need to be transported between the hepatitis virus research laboratory and the IMVS OGTR Approved Animal House (OGTR Certification 1871).
7. FPV samples will be transported in labelled and sealed tubes, contained in a plastic zip log bag in an esky. The esky will be sealed with tape and will be labelled with a biohazard sticker, the laboratory name, address and contact numbers.
8. Serum samples from inoculated ducks will be collected into plastic tubes and returned to the University using the same procedure. The outside of the tubes should be cleaned with 70% ethanol and the tubes placed in a rack and sealed in a zip lock bags to transport between laboratories.
9. Autopsy liver will be collected into plastic tubes, frozen in liquid nitrogen, and transported in a liquid nitrogen vessel with the lid sealed using clips plus a rubber seal.



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