

230980 PPL Standard Condition 18

Notification Form

Please use this form to notify the Animals in Science Regulation Unit (ASRU) of procedural-related adverse effects that have exceeded or are likely to exceed the severity limitations or controls described in the project licence. ASRU will use this information to determine whether any further action is required.

Do not use to report:

- adverse effects that are due to non-procedural issues;
- potential non-compliance (report by other means);
- issues without adverse welfare consequences.

If you are in doubt whether or not you need to fill in this form, please contact your assigned Inspector.

Please clearly title your document: **'ASRU_establishment name_PPL number_PPLh surname_date_sc18'** and send to your Inspector (e.g. using cjsm) with the subject heading 'PPL SC 18 Notification PPL [Number] – **Check Home Office's Updated Bridging Ways of Working for updated advice on email addresses and subject headings. Cjsm no longer necessary.**

Establishment Licence name	University of Cambridge
Establishment Licence number	X81BD37B1
Name of PPL holder	Brian Huntly
PPL number	PP3042348
Protocol no	7
Protocol title	Study of the impact of cell extrinsic factors on normal, pre-malignant and malignant haematopoiesis through transplantation (Mice)
Severity classification	Moderate
1. Date of incident	05/05/2023
2. Species	Mouse

3. Brief details of study and how the limits or constraints have been breached	This study aims to assess the requirement for the BRD9 gene in normal haematopoiesis. 15 C57/BL6 mice were lethally irradiated (two doses of 5.5Gy each). Within 24 hours post irradiation, mice were injected with no more than 100,000 cells (typically <50,000) by tail vein injection. Mice are closely monitored for any signs of disease or discomfort. Engraftment levels are assessed by blood sampling and subsequent flow cytometry analysis. One mouse in this cohort (SP128633) was found with clinical signs of closed eyelids and discharge and was lethargic by the room animal technician and placed onto a health concern on 04/05/23. The technician is relatively new to the room and didn't inform us or the NACWO/NVS of the issue. If this had have happened then the mouse would have been culled as these clinical signs are quite common and a sign of disease. As this wasn't the case the mouse was then found dead on the A.M check 05/05/23 unfortunately exceeding the severity limit of the protocol.
4. Have you taken advice from the Named Animal Care and Welfare Officer/Named Veterinary Surgeon/others?	We have spoken to the NACWO and reiterated how important it is to make us aware of any health concerns in future.
5. Cause of Problem, if known	The spleen and liver were both enlarged but the tissues were too degraded to send for histology but it would seem likely the cause of death was related to the study/experimental procedures. We have bled the rest of the cohort today and will await the results from the peripheral blood analyses from the other animals. The rest of the cohort all look healthy and body weights are all stable.
6. Action that has been or will be taken <i>(For example, formulation of drug changed, supportive treatment given, study design modified). If no action needed, indicate why (for example, none required as study has been terminated and will not be repeated)</i>	We have spoken to the NACWO of the room in which the mice are housed and made them aware that the working procedure was not followed. We have reiterated how important it is that we are informed as soon as possible when animals are found sick and have offered to brief the technicians into which clinical signs to be mindful of and which are indicative of disease.

7. Reported by (name)	Ryan Asby
8. Date	05/05/2023

*****For official use*****

Inspector's comments and recommendations:

Comments and recommendations	Thank you for submitting this PPL SC18 Notification. In making this report, you are compliant with PPL Standard Condition 18. The content of this SC18 report has been read and the matter can now be considered CLOSED. Please continue to inform us of any other similar incidents should they occur.
Inspector name	Catriona Chalmers
Date	11/04/2024