FD-S222748

Home Office

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	Maria P. Alcolea
PPL number	PP7037913
Protocol no	06
Protocol title	Changes in epithelial cell behaviour over time

Severity classification	Moderate
1. Date of incident	Saturday 22nd October 2022
2. Species	Mouse: MABX53.1a (M00765701)
3. Brief details of study and how the limits or constraints have been breached	In study plan SP126688, two litters were administered a gene expression modulating substance (tamoxifen) by subcutaneous injection at days 6 and 13 after birth. The aim of the study is to analyse the effect of the deletion of Sox9 in the epithelial cell behaviour during development and homeostasis (adulthood). On the 22nd October, 7 months after the second injection, one of the animals was found dead during the morning checks. This animal had not shown weight loss, or any concerning signs as piloerection or being hunched, so this finding was a surprise as there were no signs that prompted us to take any action before this unfortunate event. Additionally, this mouse had a control genotype as it did not have the “Cre” allele and therefore the gene deletion could not be induced. As there was not an evident cause of the death, the organs of this animal were stored for histologic analysis.
4. Have you taken advice from the Named Animal Care and Welfare Officer/Named Veterinary Surgeon/others?	We will discuss with NVS after the histological analysis.
5. Cause of Problem, if known	Because of this animal being of control (non-inducible) genotype, and having past 7 months since the last procedure (subcutaneous tamoxifen injection), we speculate that the death is not due to adverse effects of the procedure or the genotype/phenotype. As the animal died suddenly and unexpectedly, having shown no preceding clinical signs indicative of impending death, the cause of the problem is not known.
6. Action that has been or will be taken	The organs of this animal were dissected for histological analysis and further investigation.
7. Reported by (name)	Maria T Bejar, animal found by Mia Watkins
8. Date	24/10/2022

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

Inspector's comments and recommendations:

Comments and recommendations	Have read and noted the above. The cause of death is unknown and agree there is no direct link between its occurrence and the injections as a pup. This SC18 can be considered closed.
Inspector name	Neil Smith
Date	2 Nov 22