Home Office

PROJECT LICENCE

Project with protocols

Project licence holder

Benjamin Patton

This **PROJECT LICENCE** permits the licence holder to carry out a programme of scientific procedures on living animals under the **ANIMALS (SCIENTIFIC PROCEDURES) ACT 1986**.

The project licence holder may carry out the specified programme of work, subject to the restrictions and provisions contained within the Act and any limitations and conditions specified within this licence or by the Secretary of State.

This licence does not authorise the holder or any other person to carry out procedures on any animals unless they hold an appropriate personal licence issued under the Act.

Granted authority

This licence has been granted based on the information provided during the application process.

This licence authorises, only:

- work to meet the specified project aims
- use of specified animals and procedures
- work at the specified places

Retrospective assessment

The Secretary of State has determined that a retrospective assessment of this licence is not required.

Permissible purposes

Which permissible purposes apply to this project?

None selected

Key words that describe this project

No answer provided

Project location

You are authorised to undertake this programme of scientific procedures at the following places:

Primary establishment

University of Croydon

Establishment licence number: **XCC09J64D**
Establishment licence holder: **Bruce Banner**
Address: **University of Croydon, 99 George St, Croydon, CR0 1LD**

Additional conditions

These additional conditions apply to the project as a whole.

Additional conditions that are specific to a set of procedures can be found in each protocol.

Additional condition 1

> **Non purpose bred schedule 2 animals**
>
> Standard condition 13(d) of this licence shall not apply in cases when the relevant animals bred for use in procedures are not suitable for the purpose of the programme of work as justified in the project licence application.

Authorisations

These authorisations apply to the project as a whole.

Authorisations that are specific to a set of procedures can be found in each protocol.

Authorisation 1

Establishment licences not meeting Code of Practice

If an establishment does not meet the requirements laid out in the Code of Practice for the housing and care of animals bred, supplied, or used for scentific purposes, the following conditions apply:

- <<<INSERT conditions HERE>>>

Action plan

Aim of this project

No answer provided

What are your scientific objectives or research questions?

Objective 1

Objective title

No answer provided.

How do each of these objectives relate to each other and help you to achieve your aim?

No answer provided

Where relevant, how will you seek to use or develop non-animal alternatives for all or part of your work?

No answer provided

Protocols

Summary table

No.	Protocol	Animal types	Max number of animals	Max uses per animal	Life stages	GA	Severity category

General constraints

Please note, constraints on procedures involving anaesthesia, surgery, substance administration and withdrawal of fluids apply to all protocols.

Anaesthesia

Induction and maintenance of general or local anaesthesia, sedation or analgesia to mitigate the pain, suffering or distress associated with the performance of other regulated procedures is indicated using the following codes in protocols:

- AA no anaesthesia
- ABL local anaesthesia
- AB general anaesthesia with recovery
- AC non-recovery general anaesthesia
- AD under neuromuscular blockade

General anaesthesia

If authorised in this licence and unless otherwise specified, all animals are expected to make a rapid and unremarkable recovery from the anaesthetic within two hours. Uncommonly animals that fail to do so or exhibit signs of pain, distress or of significant ill health should be humanely killed unless a programme of enhanced monitoring and care is instituted until the animal fully recovers.

Surgery

If authorised in this licence and unless otherwise specified:

- Surgical procedures should be carried out aseptically, to at least the published Home Office minimum;
- In the uncommon event of post-operative complications, animals will be humanely killed unless, in the opinion of a veterinary surgeon, such complications can be remedied promptly and

successfully using no more than minor interventions. Minimally inflamed wounds without obvious infection may be re-closed on one occasion within 48 hours of the initial surgery. In the event of recurrence, NVS advice will be followed;
- Peri and post-operative analgesia will be provided; agents will be administered as agreed in advance with the NVS;
- All animals are expected to make a rapid and unremarkable recovery from the anaesthetic within two hours. Uncommonly animals that fail to do so or exhibit signs of pain, distress or of significant ill health will be humanely killed by a Schedule 1 method unless a programme of enhanced monitoring and care is instituted until the animal fully recovers;
- Any animal not fully recovered from the surgical procedure within 24 hrs (eating, drinking and return to normal behaviour) should be humanely killed.

Administration of substances and withdrawal of fluids

If authorised in this licence and unless otherwise specified, administration of substances and withdrawal of body fluids will be undertaken using a combination of volumes, routes, and frequencies that of themselves will result in no more than transient discomfort and no lasting harm using published guidelines on minimal severity.

Protocol 1

New protocol

Severity: Mild

Additional conditions

No additional conditions have been added

No conditions added

Authorisations

No authorisations have been added

No conditions added

Purpose and outputs

Briefly describe the purposes of this protocol

Purpose 1

Establishments and POLEs

Locations where this protocol can be carried out

None selected

Genetically altered animals (GAA)

Protocol 1 Protocol 1 continued

Will this protocol use any genetically altered animals?

No answer provided.

Objectives

Which of your objectives will this protocol address?

None selected

Steps

You may perform these steps in any order

Step 1 (Mandatory)

No answer provided

This step will have no adverse effects that are more than mild and transient.

Animal experience

Summarise the typical experience or end-to-end scenario for an animal being used in this protocol.

No answer provided

Describe the general humane endpoints that you will apply during the protocol.

No answer provided

Protocol 1 Protocol 1 continued

Experimental design

What outputs are expected to arise from this protocol?

No answer provided

Will this protocol generate quantitative data?

No answer provided.

Protocol justification

Why is each type of animal, experimental model, and/or method selected for this protocol:

a) the most appropriate scientific approach?

No answer provided

b) the most refined for the purpose?

No answer provided

For each model and/or method, what is the scientific need for the expected clinical signs?

No answer provided

Why scientifically do the animals need to suffer to this degree?

No answer provided

Why can't you achieve your scientific outputs with an earlier humane endpoint, or without animals showing any clinical signs?

No answer provided

Protocol 1

Protocol 1 continued

Will you be administering substances for experimental purposes?

No answer provided.

Protocol 2

New protocol 2

Severity: Mild

Additional conditions

No additional conditions have been added

No conditions added

Authorisations

No authorisations have been added

No conditions added

Purpose and outputs

Briefly describe the purposes of this protocol

Some details

Establishments and POLEs

Locations where this protocol can be carried out

None selected

Genetically altered animals (GAA)

Protocol 2 Protocol 2 continued

Will this protocol use any genetically altered animals?

No answer provided.

Objectives

Which of your objectives will this protocol address?

None selected

Steps

You may perform these steps in any order

Step 1 (Mandatory)

A new step

This step will have no adverse effects that are more than mild and transient.

Step 2 (Mandatory)

Step 2

This step will have no adverse effects that are more than mild and transient.

Animal experience

Protocol 2 Protocol 2 continued

Summarise the typical experience or end-to-end scenario for an animal being used in this protocol.

No answer provided

Describe the general humane endpoints that you will apply during the protocol.

No answer provided

Experimental design

What outputs are expected to arise from this protocol?

No answer provided

Will this protocol generate quantitative data?

No answer provided.

Protocol justification

Why is each type of animal, experimental model, and/or method selected for this protocol:

a) the most appropriate scientific approach?

No answer provided

b) the most refined for the purpose?

No answer provided

For each model and/or method, what is the scientific need for the expected clinical signs?

No answer provided

Protocol 2

Protocol 2 continued

Why scientifically do the animals need to suffer to this degree?

No answer provided

Why can't you achieve your scientific outputs with an earlier humane endpoint, or without animals showing any clinical signs?

No answer provided

Will you be administering substances for experimental purposes?

No answer provided.

Standard conditions

1. The licence holder is responsible for the overall implementation of the programme of work specified in this licence and for ensuring that the programme of work is carried out in compliance with the conditions of the licence.

2. The licence holder shall ensure that the specified programme of work does not involve the application of any regulated procedure to which there is a scientifically satisfactory alternative method or testing strategy not entailing the use of a protected animal.

3. The licence holder shall ensure that regulated procedures are not applied to an animal as part of the specified programme of work if the data to be obtained from the application of those procedures is already available in a Member State and has been obtained there by procedures which satisfy any relevant regulatory requirements of the EU.

4. The licence holder shall ensure that the regulated procedures applied as part of the programme of work specified in this licence are those which to the greatest extent use the minimum number of animals; involve animals with the lowest capacity to experience pain, suffering, distress or lasting harm; cause the least pain, suffering, distress or lasting harm; and are most likely to provide satisfactory results.

5. The licence holder shall ensure that the regulated procedures applied as part of the programme of work specified in this licence are designed so as to result in the death of as few protected animals as possible; and to reduce to the minimum possible the duration and intensity of suffering caused to those animals that die and, as far as possible, ensure a painless death.

6. The licence holder shall ensure that the appropriate level of supervision is provided for all personal licensees carrying out regulated procedures under the authority of this licence.

7. The licence holder shall ensure that a regulated procedure is not applied to an animal as part of the programme of work specified in this licence if the procedure may cause the animal severe pain, suffering or distress that is likely to be long-lasting and cannot be ameliorated.

8. The licence holder shall ensure that where a regulated procedure is being applied to an animal as part of the programme of work specified in this licence, any unnecessary pain, suffering, distress or lasting harm that is being caused to the animal shall be stopped.

9. The licence holder shall ensure that where a regulated procedure is applied to an animal as part of the specified programme of work, death as the end-point of the procedure is avoided as far as possible and is replaced by an early and humane end-point; and as soon as the purpose of the procedure has been achieved, the procedure is stopped and appropriate action is taken to minimise the suffering of the animal.

10. The licence holder shall ensure that where a regulated procedure has been applied to an animal as part of the programme of work specified in this licence, a suitably qualified person classifies the

severity of the procedure as “non-recovery”, “mild”, “moderate” or “severe” using the criteria in Annex 8 of the Animals Directive. For the purposes of this condition, a series of regulated procedures applied to an animal for a particular purpose is to be treated as constituting a single regulated procedure.

11. Where a series of regulated procedures are applied to an animal for a particular purpose the licence holder shall ensure that the animal is killed at the end of the series unless a veterinary surgeon or other competent person has determined that the animal is not suffering and is not likely to suffer adverse effects, as a result of the regulated procedures.

12. Regulated procedures shall not be carried out on any stray animal of a domestic species as part of the programme of work specified in this licence.

13. Except with the authorisation of the Secretary of State, regulated procedures shall not be carried out as part of the programme of work specified in this licence on any of the following type of animal:

    (a) any feral animal of a domestic species;
    (b) any animal taken from the wild;
    (c) a marmoset unless it is the offspring of marmosets bred in captivity or has been obtained from a self-sustaining colony of marmosets;
    (d) any animal of a description specified in Schedule 2 to the Act unless it has been bred for use in procedures.

14. If the application of regulated procedures to animals taken from the wild is authorised inthis licence the holder shall ensure:

    (a) that animals taken from the wild are captured by a competent person using a method which does not cause the animal avoidable pain, suffering, distress or lasting harm; and
    (b) that an animal taken from the wild which is found to be injured or in poor health is not subjected to a regulated procedure unless and until it has been examined by a veterinary surgeon or other competent person; and, unless the Secretary of State has agreed otherwise, action has been taken to minimise the suffering of the animal.

15. The licence holder must give any necessary assistance to inspectors carrying out visits by virtue of section 18(2A)(b); and to experts of the European Commission carrying out duties under Article 35 of the Animals Directive.

16. If the licence holder becomes aware of a failure to comply with any conditions of the licence the holder must take appropriate steps to rectify the failure (if it is capable of being rectified); and keep a record of the steps taken.

17. All authorised procedures shall be carried out under general or local anaesthesia unless—

    (a) anaesthesia would be more traumatic to the animal concerned than the procedures themselves; or
    (b) anaesthesia would be incompatible with the purposes of the procedures.

18. The licence holder shall ensure adherence to the severity limits as specified in the project licence and observance of any other controls described in the licence. If these constraints appear to have been, or are likely to be, breached, the holder shall ensure that the Secretary of State is notified as soon as possible.

19. The licence holder shall maintain a contemporaneous record of all animals on which procedures have been carried out under the authority of the project licence. This record shall show the procedures used and the names of personal licensees who have carried out the procedures. The record shall, on request, be submitted to the Secretary of State or made available to an Inspector.

20. The licence holder shall send to the Secretary of State, before 31 January each year (and within 28 days of the licence having expired or been revoked), a report in a form specified by the Secretary of State, giving details of the number of procedures and animals used, and the nature and purpose of the procedures performed under the authority of the project licence during the calendar year.

21. The licence holder shall maintain a list of publications resulting from the licensed programme of work and a copy of any such publication shall be made available to the Secretary of State on request. The list shall, on request, be submitted to the Secretary of State or made available to an Inspector, and it shall be submitted to the Secretary of State when the licence is returned to him on expiry or for revocation.

22. The project licence holder shall submit such other reports as the Secretary of State may from time to time require.

23. The project licence holder shall ensure that details of the programme of work and regulated procedures specified in the licence, and any additional conditions imposed on those procedures, are known to

    (a) all personal licensees performing those procedures;
    (b) the Named Person Responsible for Compliance;
    (c) the Named Animal Care and Welfare Officers responsible for the day to day care of the animals;
    (d) the Named Veterinary Surgeon, on request; and
    (e) the Named Information Officer and Named Training and Competency Officer, on request.

24. The licence holder must obtain the permission of the Secretary of State before—

    (a) any animal undergoing regulated procedures is moved from a place specified in one section 2C licence to a place specified in another section 2C licence; or
    (b) any animal is released for slaughter, unless this is already explicitly authorised by the project licence.

25. The licence remains the property of the Secretary of State, and shall be surrendered to him on request.