

Appendix 2 Template for Retrospective Assessment

A. Template with advice for completion

<p>Annex to the Non-Technical Summary –</p> <p>The project will offer a centralised, expert service for the provision of animal derived bio products for researchers with no facilities, capacity, or expertise to perform this part of the work themselves. The supply of these products from such a service will benefit biomedical science as we can offer continuity of supply, an efficient and expert service, high level of animal welfare, ethical consideration, and traceable, high quality products. Samples are taken using refined techniques and within defined limits.</p> <p>Information required for Retrospective Assessment</p>
<p>Describe to what extent the programme of work has been carried out</p>
<p>Please state whether the programme of work has been completed or if it is to be continued under the authority of a further project licence if necessary</p> <p>The project license is a service project license to supply normal animal blood or animal plasma or sera for control or reference purposes. The project provided a service for the supply of blood products (whole blood, plasma, serum, and tissues) for use in the scientific community, bio-analytical and diagnostic assays for both human and veterinary medicine.</p>
<p><i>Describe if, and to what extent, the objectives of the work have been achieved?</i></p> <p>During the licence period the protocol to obtain blood and plasma products to supply the research community to support the development of new discoveries for human and animal treatments</p>
<p>Please relate this section to the stated objectives in the original application (including any amended or additional objectives as necessary)</p>
<p>Describe the actual harms that have been caused to the animals (number, species, severity)</p> <p>A small pool of live dog blood donors both males and females at most were used in this project. The animals experienced mild discomfort from the bleeding protocols we have in place.</p> <p>Our species used in non-recovery procedures would have only experienced mild effects from the overdose of anaesthesia.</p>
<p>Please describe the harms in terms of your reflective assessment of the pain, distress, suffering, or lasting harm you consider the animals have experienced. Do not simply list the procedures applied but describe the harms in terms of animal based outcomes e.g. animals experienced mild discomfort as subcutaneous tumours were allowed to grow to around 10mm in diameter before they were humanely killed.</p>
<p>One group of animals were sampled while under general anaesthesia so they did not experience any adverse effects. When the sampling was complete, these animals were humanely euthanised by an</p>

overdose of anaesthetic without recovering consciousness.

Another group of dogs were bled in a conscious state, strict guidelines were adhered to for sample quantities and timings, the effects of blood sampling were only transient and no lasting harm was experienced by the animals.

Describe what lessons, if any, have been learned that contribute to the 3Rs.

Implementation, of positive re-enforcement training programmes that reduced the need for mild restraint of animals.

Development of new score sheets for animal welfare monitoring based on previous observation of clinical signs

All procedures under this license were either mild or non-invasive. No dogs showed any adverse effects from the bleeding schedule.

Please describe any 3Rs opportunities identified and implemented.

Replacement

Reduction

During the course of this license we removed the need for a pool of animals. Only sourcing species for occasional bleed to meet research community's needs.

Refinement

External training was undertaken for anaesthesia protocols during the lifetime of this project license. Refinements and extra experience was gained during this process.

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