

Part 2: Impacts of Research on Animal Well Being: Checklist of Considerations.

When answering this section you need to identify all factors in your research, including procedures which may impact on animal wellbeing. When using this checklist think of what is happening to the animals, what will be effects (short and long-term) and how these effects will be minimised?

To help answer this question choose the appropriate categories that apply and refer to checklist provided.

<p>Category 1: Anaesthesia</p> <ul style="list-style-type: none"> <input type="checkbox"/> Fasting <input type="checkbox"/> Induction (drug, dose, route) <input type="checkbox"/> Maintenance (drug, dose, route) <input type="checkbox"/> Methods of monitoring anaesthesia and monitoring <input type="checkbox"/> Additional support during anaesthesia and recovery <input type="checkbox"/> Location of induction and recovery areas <input type="checkbox"/> Substance used <input type="checkbox"/> Volume <input type="checkbox"/> Route <input type="checkbox"/> Frequency/total number per animal <input type="checkbox"/> Local and systemic effects <input type="checkbox"/> Anaesthesia or analgesia <input type="checkbox"/> Any possible side effects <input type="checkbox"/> Restraint required 	<p>Category 2: Euthanasia</p> <ul style="list-style-type: none"> <input type="checkbox"/> Method <input type="checkbox"/> Location (where procedures will be performed). <input type="checkbox"/> Expertise of personnel
<p>Category 3: Blood or Body Fluid Collection</p> <ul style="list-style-type: none"> <input type="checkbox"/> Volume <input type="checkbox"/> Route <input type="checkbox"/> Frequency <input type="checkbox"/> Anaesthesia or analgesia used <input type="checkbox"/> Restraint <input type="checkbox"/> Post-procedural monitoring (Methods and Frequency). 	<p>Category 4: Surgical Procedures</p> <ul style="list-style-type: none"> <input type="checkbox"/> Procedure (site and technique) <input type="checkbox"/> Sterilisation protocols (instruments, drapes and surgical team) <input type="checkbox"/> Location of operation <input type="checkbox"/> Pre-operative management and preparation (eg. selection criteria/pre-op health-checks and or pre-op monitoring) <input type="checkbox"/> Post-operative monitoring (location, methods, housing facilities, frequency and duration) <input type="checkbox"/> Use of analgesia (type, dose, route, frequency and signs for determining use) <input type="checkbox"/> Expertise

<p>Category 5: Teaching</p> <ul style="list-style-type: none"> <input type="checkbox"/> Source of animals <input type="checkbox"/> Housing <input type="checkbox"/> Duration held <input type="checkbox"/> Monitoring <input type="checkbox"/> Fate of animals after use (are they held, supplied for other teaching activities or research projects, euthanised) 	<p>Category 6: Research (Wildlife Studies)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Location <input type="checkbox"/> Methods (Capture/handling/restraint/holding) <input type="checkbox"/> Housing <input type="checkbox"/> Monitoring <input type="checkbox"/> Release <input type="checkbox"/> Fate of animals after use (are they held, supplied for other teaching activities or research projects, euthanised)
<p>Category 7: Stock Breeding</p> <ul style="list-style-type: none"> <input type="checkbox"/> Source of animals <input type="checkbox"/> Housing <input type="checkbox"/> Duration held <input type="checkbox"/> Monitoring <input type="checkbox"/> Fate of animals after use (are they held, supplied for other teaching activities or research projects, euthanised) 	<p>Category 8: Behavioural studies</p> <ul style="list-style-type: none"> <input type="checkbox"/> Stimulus (type, duration and frequency) <input type="checkbox"/> Behavioural monitoring (type, duration and frequency, expertise)
<p>Category 9: Manipulation of Diet</p> <ul style="list-style-type: none"> <input type="checkbox"/> Type <input type="checkbox"/> Amount <input type="checkbox"/> Effects <input type="checkbox"/> Measurement of intake <input type="checkbox"/> Animal Monitoring <input type="checkbox"/> Expertise 	<p>Category 10: Transportation and Animal Housing</p> <ul style="list-style-type: none"> <input type="checkbox"/> Type <input type="checkbox"/> Duration <input type="checkbox"/> Confinement <input type="checkbox"/> Container size <input type="checkbox"/> Environmental Enrichment <input type="checkbox"/> Numbers of animals <input type="checkbox"/> Temperature control methods <input type="checkbox"/> Animal Monitoring <input type="checkbox"/> Expertise <input type="checkbox"/> Location <input type="checkbox"/> Isolation <input type="checkbox"/> Group housing (Stocking density and sexes) <input type="checkbox"/> Shelter <input type="checkbox"/> Bedding <input type="checkbox"/> Hiding areas <input type="checkbox"/> Environmental Enrichment (as above) <input type="checkbox"/> Duration of holding <input type="checkbox"/> Conditioning period

Adapted from ARRP Guideline 12 Animal Research Application Form (Model) 2000.