# Checklist for Applicants and Reviewers: Vertebrate Animals

## Performance Site

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|  | If the applicant’s institution is not where animal work will be performed, are all  collaborative performance sites identified? |
|  | If more than one performance site is planned, are descriptions of animal use  addressing the required criteria provided for each site? |

1. **Description of Procedures (Vertebrate Animals Section)**

Are the following addressed for all species?

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| --- | --- |
|  | Species |
|  | Strains |
|  | Ages |
|  | Sex |
|  | Total number of animals by species |
|  | Concise description of proposed procedures on live animals (i.e., sufficient  information for evaluation) |
|  | Source, only if dogs or cats are proposed |

## Justifications (Vertebrate Animals Section)

Are justifications provided?

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|  | Choice of species is appropriate for proposed research |
|  | Why research goals cannot be accomplished using an alternative model (e.g.,  computational, human, invertebrate, *in vitro*) |

## Minimization of Pain and Distress (Vertebrate Animals Section)

Are interventions to minimize discomfort, distress, pain, and injury described? (Examples below)

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|  | Circumstances relevant to the proposed work, when animals may experience  discomfort, distress, pain, or injury |
|  | Procedures to alleviate discomfort, distress, pain, or injury |
|  | Identify (by name or class) any tranquilizers, analgesics, anesthetics, and other  treatments (e.g., antibiotics) and describe their use |
|  | Provisions for palliative care or housing that may be necessary after experimental  procedures |
|  | Plans for post-surgical care, if survival surgeries are proposed |
|  | Indicators for humane experimental endpoints, if relevant |

## Method of Euthanasia (Cover Page Supplement / PHS Fellowship Supplemental Form)

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|  | If answer is “No” to the question “Is method consistent with AVMA guidelines?”, is  the method described and a scientific justification provided? |