

Faculty of Health Sciences Ethics Office for Research, Training and Support

[health-sciences.ac.za/healthethics](http://www.nwu.ac.za/healthethics)

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| North-West University Animal Care, Health and Safety Research Ethics Committee **NWU-AnimCareREC**  *registered as Animal Research Ethics Committee (AREC) with the South African National Health Research Ethics Council (NHREC) of the National Dept. of Health,* ***reg. no. AREC-130913-01*****Research Ethics Reviewer Report**  by a **statistician** for the review of **single** or **larger** scientific **studies** using animal vertebrates or higher invertebrates for research, education/training or repetitive testing purposes  **AnimCare 02-01b6, Version 5.10 (July 2019)** |
| **CONFIDENTIAL!** This document contains confidential information that is intended strictly and exclusively for the applicant and the NWU-AnimCareREC. Should this document or parts thereof erroneously come in your possession, you are requested to destroy it or to return it to [Ethics-AnimCare@nwu.ac.za](mailto:Ethics-AnimCare@nwu.ac.za) without delay. Unauthorised possession, reading, studying, copying or distribution of this material, or any other form of abuse, is illegal and prosecutable. |

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| General Review Identification |

Provide the necessary review information below:

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| Reviewer code | Date of Review |

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| **Click or tap here to enter code.** | Click or tap to enter a date. |

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| General Study Identification |

Provide the necessary descriptions below to identify this project application:

* 1. **Ethics number *(issued upon 1st submission)***

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| **Click or tap here to enter number.** |

* 1. **Full, descriptive title of the study**

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| Click or tap here to enter text. |

* 1. **Name of the responsible researcher/study leader**

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| Click or tap here to enter text. |

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| Statistical Matters of Ethical Concern |

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| Is the executive summary clear, truly reflective of the number and type(s) of animals to be used, study aims, study design and methodology, etc., and written in laymen’s terms? If ALL of these conditions have been met satisfactorily (in your opinion), indicate “Yes”, otherwise indicate “No” and provide comments, questions and/or recommendations below. |  | **Yes** | **No** |
| **N/A** | |
| Click or tap here to provide comments, questions and/or recommendations. | | | |

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| Is the study layout schema clear, truly reflective of the study design, treatment groups, the number and type(s) of animals to be used, interventions, measurements, time-lines, etc.? If ALL of these conditions have been met satisfactorily (in your opinion), indicate “Yes”, otherwise indicate “No” and provide comments, questions and/or recommendations below. |  | **Yes** | **No** |
| **N/A** | |
| Click or tap here to provide comments, questions and/or recommendations. | | | |

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| Is the study design (e.g. the experimental design of treatment groups and controls) appropriate to answer the research question(s)? If ALL of these conditions have been met satisfactorily (in your opinion), indicate “Yes”, otherwise indicate “No” and provide comments, questions and/or recommendations below. |  | **Yes** | **No** |
| **N/A** | |
| Click or tap here to provide comments, questions and/or recommendations. | | | |

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| Is the sample size (i.e. animal numbers – compare the ethical principle or “reduction”) and sampling technique (random sampling, stratified sampling, systematic sampling in the case of vegetation sampling and animal abundance studies) appropriate to answer the research question(s) (e.g. was a proper power analysis performed, resource equation, evidence-based estimation and/or standard/accepted guidelines)? If ALL of these conditions have been met satisfactorily (in your opinion), indicate “Yes”, otherwise indicate “No” and provide comments, questions and/or recommendations below. |  | **Yes** | **No** |
| **N/A** | |
| Click or tap here to provide comments, questions and/or recommendations. | | | |

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| Is the researcher bias appropriately avoided where applicable, e.g. by implementing sampling randomisation and blinding of data scoring? If ALL of these conditions have been met satisfactorily (in your opinion), indicate “Yes”, otherwise indicate “No” and provide comments, questions and/or recommendations below. |  | **Yes** | **No** |
| **N/A** | |
| Click or tap here to provide comments, questions and/or recommendations. | | | |

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| Is the proposed statistical analyses appropriate to answer the research question(s)? If ALL of these conditions have been met satisfactorily (in your opinion), indicate “Yes”, otherwise indicate “No” and provide comments, questions and/or recommendations below. |  | **Yes** | **No** |
| **N/A** | |
| Click or tap here to provide comments, questions and/or recommendations. | | | |

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| Is appropriate statistical expertise or consultation evident *(if applicable)*? If ALL of the questions related to this principle have been met satisfactorily addressed (in your opinion), indicate “Yes”, otherwise indicate “No” and provide comments, questions and/or recommendations below. |  | **Yes** | **No** |
| **N/A** | |
| Click or tap here to provide comments, questions and/or recommendations. | | | |

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| Final Review Recommendations |

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| Conditions of approval *(if applicable)* |

Indicate any conditions of approval that should apply:

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| Click or tap here to enter text. |

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| Reviewer’s final recommendation |

In your opinion, what is your final recommendation for the approval level of the project? Please select your choice from the drop-down list below:

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| Please indicate the **approval level** here **→**  as applicable to this application: | Choose an item. |

Motivation and/or any comments or questions

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| Click or tap here to enter text. |

***- End of Report –***