Title of Project:
Commercial-in-Confidence: Yes/No

This form is to be used for submission to the CHM Alliance Pty Ltd Animal Ethics Committee (AEC) for research project proposals.

Important Notices
The 'Applicant' is the entity submitting this proposal.

The CHM Alliance Animal Ethics Committee (AEC) deems the applicant to be in charge of the project and to be responsible for:

- The conduct of the project in accordance with AEC approval, the *Animal Care and Protection Act 2001,* the *Australian code for the care and use of animals for scientific purposes, 8th Edition 2013* (the Code updated 2021) and all other relevant Commonwealth and State legislation.
- The submission of all necessary reports, notices and advices as required by the AEC.

As an AEC approval is not transferable, it may not be appropriate for an employee of an external entity (eg a company or institution) to be the applicant. If an employee is the applicant and leaves the company or institution, the company or institution cannot continue to use the approval.

Investigators and trainers involved in the scientific use of animals have personal responsibility for all matters related to the wellbeing of the animals they use and must act in accordance with all requirements of the Code. This responsibility begins when an animal is allocated to a project and ends with its fate at the completion of the project. Investigators and trainers involved in the scientific use of animals have an obligation to treat animals with respect and to consider their wellbeing as an essential factor when planning and conducting projects.

All text boxes will expand automatically to accommodate entry. Do not remove/alter formatting, headers or footers. Any changes/deletions to headers, footers or formatting may result in the proposal being declined and returned to the applicant.

All pages must be submitted electronically in Word format to your AEC coordinator: steve.peucker@sunporkfarms.com.,au

AEC USE ONLY			
Proposal Reference Number:		**Date Assessed:**	
Assessment Category: (cross one box only)			
□ Approved as submitted			
□ Approved subject to modifications / clarification			
□ Amend prior to resubmission			
□ Pending			
□ Rejected			
Signature of Chair:			
Initials of Members			
Category A:	**Category B:**	**Category C:**	**Category D:**
Monitoring concerns:			

1. Title of Project

1.1 Applicant details - Applicant's contact person details

Company:		
Name:		
Address:		
Relationship to Applicant (eg employee, consultant, vet etc):		
Phone:	**Fax:**	**E Mail:**

1.2 Description of animals used in project

Put total for project here with detail in 3.3 for individual trials if required, fill out as appropriate for the species to be used (domestic mammals - pig; birds - poultry). If rows are insufficient attach a separate appendix detailing complete animal list.

Animal Type	Scientific name	Class	Sex*	Number
Pigs	Sus scrofa domestica			
Total number of animals to be used for this project (include control and replacement animals)				
*Use either: Prenatal, Newborn, Juvenile / Weaner, Adults, Male Finishers, Genetically Modified Organisms, others (describe):				

1.3 Categorisation of research uses of animals

All animal use activities covered by a standing operating procedure (SOP) have been allocated to a category to indicate the activity and impact on animals. The categories are set out in the table below:

Approval Category	Type of Project	Type of Procedure
1	Research with limited impact	Designed experiments using normal husbandry practices
2	Research with moderate – severe animal impact	Repetitive techniques not normal husbandry practices eg. blood collection, fistulae or original and infrequently used techniques not covered by standard SOP
3	Activities with severe animal welfare implications	LD50 tests restricted under the Animal Research Act. Approval only by the appropriate authority. Attach evidence of approval.

1.4 Project

Give the proposed start and end dates, of the project

Start Date: _____ **End date:** _____
(3 years max duration)

1.5 Special Consideration

1.5.1 Does the project involve any recombinant DNA technology, infectious, toxic, radioactive or carcinogenic agents that may be harmful to other animals or to people? If so you must advise all personnel involved. Provide details below of such agents and their possible impact as well as appropriate licences/permits/authorities.

1.5.2 Collaboration

Does this project involve collaboration with external agencies (eg. institutions, companies, individuals etc.)?

□ Yes (If yes complete Section 1.5.2)
□ No (If no go to Section 1.5.3)

Name of collaborator(s) / relevant institution or organisation:

Details of the collaboration

Details of any applications to, and approval from, other institutional Animal Ethics Committees

(Please attach a copy of the application submitted and notification of approval from your collaborator's AEC)

1.5.3 Funding: Identify the principle source of funding for this project:

Nature of the funding source ie CHM Alliance company funds, External Agency, External Grant, Commercial, Private, Other:
Name of Funding body/source:
Commercial-in-Confidence Yes/No:
Exact title of funding application:

1st Named Investigator on funding application:
Administering Organisation/Institution:
Date of submission of application:
Period of funding:
Does the animal work described in the funding application correspond exactly to that described in this animal ethics application, including experimental groups and animal numbers? Yes / No

2. Justification for Animal Use

2.1 Big Picture Background

It is essential that this section is easily understood by those without technical and scientific knowledge. In plain, clear and concise English (use lay language, avoid jargon and acronyms and use a glossary if necessary) put the project into context (the big picture). In particular, write this section so that AEC members without a veterinary or scientific background can understand what has led to the current situation (including reference to earlier work or this project being part of a larger body of work), the need that exists and how the benefits of the use of the animal/s outweigh the potential costs to the animal/s.

Glossary: (include here an explanation of acronyms, technical terms and all abbreviations)
The Big Picture:

2.2 Objectives and purpose of proposed animal use and alternatives (replacement)

2.2.1 Detail the objective and purpose of animal use

2.2.2 Will any animal be used for teaching or training activities within this project?

Indicate ***YES/NO***

2.2.3 If all or some of this project is a *repeat* of work that has been done already, provide justification for this project.

2.2.4 Explain why you need to use live animals to achieve all or some of your aims.

2.2.5 List alternatives to live animals that COULD be used in this project and explain why such alternatives are unsuitable for this project or list those used in conjunction with this project.

3 Experimental Design of Project (reduction/refinement)

3.1 Justification for number of animals

Justify why the proposed number of animals is appropriate to achieve the aims.

3.2 Reuse of animals and/or tissues

3.2.1 Have any of the animals proposed to be used, already been used in a project? If yes, give the name and approval number of this project and state how they were used. State why do you consider it beneficial to use these animals again rather than 'new' animals?

3.2.2 Is there an opportunity to reduce any future use of animals by way of sharing animals/tissues/data with other investigators/teachers/trainers? This may involve consultation. What is proposed?

3.3 Experimental design

3.3.1 Category of Procedure

	Please indicate √
Observational studies involving minor interference	
Animal unconscious without recovery	
Conscious intervention (minor) without anaesthesia	
Operative procedures (minor) with recovery	
Surgery with recovery	
Minor physiological challenge	
Major physiological challenge	
Death as an end point (not euthanasia); for example: LD50 or lethality tests where death as en end point was a deliberate, planned part of the procedure.	

3.3.2 Where applicable include a table showing treatments and group sizes and outlining trial design in this space.

Design type:

Number of treatments:	Treatment type:
What is the experimental unit?	
Number of experimental units (replicates) per treatment:	
Total number of experimental units for the experiment:	
Number of animals per experimental unit (if relevant):	
Primary variable:	

3.3.3 If you propose that experimental design is not needed for the justification of this activity, you must provide your reasoning here.

3.4 Biometrician's comments if required by the AEC

BIOMETRICIAN USE ONLY Experimental Design Evaluation		
Biometrician Name:	**Indicate evaluation outcome:**	
Job Title:	**Accepted Experimental Design**	
Organisation:	**Accepted Experimental Design with Modification**	
Phone:	**Unacceptable Experimental Design**	
Comments		
Signature:	**Date:**	

4. Sequence of Procedures and their Impacts on Animals (refinement via design and monitoring)

4.1 Sequence of procedures

List the sequence of procedures in the project as an activity schedule or timeline, beginning when animals are allocated to the project and ending with their fate at the completion of the project. The schedule or timeline should identify clearly the timing and duration of every procedure, including the number and duration of any component phases and/or any repetitive activities.

4.2 Details of procedures

4.2.1 Please provide justification for category 2 animal use (Refer section 1.3)

Example: Faecal samples are required to analyse microbiota population differences and indicators of inflammation.

4.2.2 In plain English give details of each procedure listed in 4.1. Use a heading for each explanation of procedures, which is the same as the procedures used in Table 4.1. Details provided should include, but need not be limited to, the following as appropriate to the proposal).

- All administered substances (name, toxicity, action, route, dose, frequency)
- All procedures carried out on animals (eg sampling method, frequency, amount, special housing, handling and restraint)
- How each procedure may impact negatively on the animals
- How any negative impacts on animals will be minimised.
- How the impact on animals will be monitored, assessed and managed, including method and frequency of monitoring (during and after procedures).

4.3 Management procedures differing from the Code

Will any routine husbandry or management procedures be done which are not compliant with any of the relevant Codes? If so, detail and justify.

4.4 Animal treatment/withdrawal and euthanasia decision

4.4.1 Detail the specific criteria which will result in animals being treated or withdrawn from the project or euthanased. Describe what will be done. Insert a decision tree for enacting treatment, withdrawal or euthanasia (specifying the method) in each case as applicable to this project.

Pig health will be monitored on a daily basis, at a minimum, following all relevant CHM procedures and practices. Any pigs showing signs of ill health such as not eating or drinking, fever, ill thrift ,lameness, poor physical appearance, physical damage will be treated in accordance with practicing veterinarian guidelines and withdrawn from the experiment. Pigs showing signs of ill health will be moved to the hospital pen and treated. Euthanasia decisions are made by the farm manager and experienced staff following veterinary instruction and guidance. Any animals not responding to treatment or that has an acute injury that is unlikely to respond to the prescribed treatment regime are euthanased. Euthanasia is performed using approved methods (penetrating captive bolt, Co2 or blunt trauma) by a trained operator out of sight of other animals.

If the mortality rate exceeds the 3 monthly farm average *(please add %)* for the class of pig being used in the experiment. The Principal Investigator will contact the CHM Alliance AEC co ordinator immediately.

4.4.2 What arrangements are in place for contacting somebody who is competent and authorised to treat/withdraw animals (including euthanasing) in an emergency?

4.4.3 Emergency contact details. In the event of an emergency involving animals in this project, please provide after hours contact numbers for the appropriate people.

Name	Phone	Role	Comments

4.5 Fate of the animals at the end of the project:

If sold give details of expected fate; if euthanased, detail method of euthanasia; if to be transferred to another project, give details.

4.6 Death as an End Point

If your project requires animals to die as a deliberate measure for evaluating biological or chemical processes, responses or effects (as opposed to be euthanased), justify this here.

4.7 Routine Animal Monitoring and Management

5. Animal Ownership, Location, Housing and Management (refinement via management)

5.1 Sources of animals

Name the source(s) of the animals and list any permits necessary to acquire, transport or use these animals.

5.1.1 Describe transport arrangements for animals acquired for this project. (It is your responsibility to ensure that animals being transported specifically for this project are transported in a manner that is cognisant of the species special needs and will minimise the chance of stress or injury at all stages of the transport operation. Where possible, this should involve following current Codes for the transport of animals.

5.2 Location of Project

Where applicable, give the name and location of sites with a contact phone and fax number. State who will own the animals whilst they are in the project.

5.3 Details and description of Housing Facilities and Equipment

5.3.1 Name the type of facilities (eg animal house and experimental pens). Name any special features of the facilities or management, which could impact on the animals' wellbeing (such as confinement of individuals in metabolism crates; abnormal group size; stocking rate; and exposure).

5.3.2 Give a description of each facility/piece of equipment listed in 5.3.1 (eg dimensions, materials, feed and water supply, environmental control, or protection shelter, bedding, environmental enrichment). List the relevant Codes or other approved standards that are applicable **(include actual information from the Code on minimum standard).**

5.3.3 Give details of group size and composition and stocking rate/space allocation. (Include information from Codes or other applicable standards as a comparison where applicable.

5.3.4 If the animal facilities/equipment do not comply with the relevant Codes or other agreed standards then describe and justify.

5.3.5 Workplace Health and Safety

Describe any workplace health and safety issues concerning the activity.
Procedures to be implemented to ensure health and safety of project personnel and employees.

5.3.6 Trial pig identification

Describe the system you will use to clearly identify trial pigs on farm records so that traceability is maintained for the duration of their time on farm.

6. People and Procedures Involved in the Project

6.1 People and Procedures

Provide details for each person who will be involved in the project. Please note that any future change to the list of people involved in the project and/or their details requires AEC approval of the amendment. *Additional rows can be added by using the "Tab" key.*

Person's name location and organisation	**Role in Project**	**List each procedure the person may perform in the project** (may enter 'all in 4.1' if appropriate)	**Relevant qualifications and experience**	**Do you assure the AEC that this person is competent to perform each listed procedure or will be supervised by a competent person)? (Y/N)**	**Legal basis for this person's use of animals** * (eg enter '2' for staff acting in the course of their retainer)	**Name of registered person to whom this person is responsible:** (enter name shown on Scientific user Registration Certificate)	**Registration Number:** (enter number shown on Scientific User Registration Certificate)
							(hit "Tab" key to add more rows)

*Use the following numeric Code to describe the legal basis on which the person is authorised to use animals for scientific purposes under the *Animal Care and Protection Act 2001,* Section 51:

1. A registered person
2. An individual retained (ie employed or engaged whether or not for remuneration) by a registered person acting in the course of their retainer
3. A student at a college, institute, school, university or other institution that is registered and acting in the course of their studies with the institution

6.2 Routine monitoring and euthanasia

These are the people who will provide routine monitoring and care during weekdays and at weekends and holidays. Please ensure those indicated as authorised to treat animals comply with the Veterinary Surgeons Act 1936. If rows are insufficient, copy table to a new page.

Person's name, location and organisation	Person's contact details	Indicate the procedure the person may perform		Do you assure the AEC that this person is competent to perform each listed procedure or will be supervised by a competent person (Y/N)
		Undertake routine animal monitoring		
		Recognise sick, injured, or moribund animals		
		Treat animals		
		Euthanize animals		
		Undertake routine animal monitoring		
		Recognise sick injured or moribund animals		
		Treat animals		
		Euthanize animals		
		Undertake routine animal monitoring		
		Recognise sick injured or moribund animals		
		Treat animals		
		Euthanize animals		

		Undertake routine animal monitoring		
		Recognise sick injured or moribund animals		
		Treat animals		
		Euthanize animals		
		Undertake routine animal monitoring		
		Recognise sick injured or moribund animals		
		Treat animals		
		Euthanize animals		

7. Declarations

Title of Project: Repeat here as this page is sometimes faxed separately with all signatures.

Applicant

I, being the applicant or their duly authorised agent, assure the AEC that:

- Adequate resources will be available to undertake the project
- I and all others involved in the project are familiar, and will comply with the requirements of the Animal Care and Protection Act 2001, the *Australian code for the care and use of animals for scientific purposes, 8th Edition 2013* and all other relevant Commonwealth and State legislation
- I and all others involved in the project will adhere to all requirements of the AEC including the provision of reports, notices and advices
- Details of findings must be provided in annual and final reports as required

Name:	**Position:**
Signature:	**Date:**

Project Personnel

We the undersigned assure the AEC that:

- I am familiar with, and will comply with the requirements of the Animal Care and Protection Act 2001, the *Australian code for the care and use of animals for scientific purposes, 8th Edition 2013* and all other relevant Commonwealth and State legislation
- I will adhere to all requirements of the AEC

Name:	**Position:**
Signature:	**Date:**

Name:	**Position:**
Signature:	**Date:**

Name:	**Position:**
Signature:	**Date:**

NB: The signed authority from the host farm company for collaborative projects must be attached.

(Copy page if required)