

NATA Accredited Facility

National Association of Testing Authorities, Australia
(ABN 59 004 379 748)

has accredited

Australian Phenomics Facility The Australian National University

following demonstration of its technical competence
to operate in accordance with

ISO/IEC 17025

This facility is accredited in the program of

Research and Development

for the activities shown on the *Scope of Accreditation* issued by NATA



Jennifer Evans
Chief Executive Officer

Date of accreditation: 1 June 2015
Facility number: 19406



ACCREDITATION NO: 19406

Australian Phenomics Facility

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FACILITIES: Normally not available for public testing

STATE: ACT STATUS: O SITE NO : 22205 Issued: 26-
Nov-15

This laboratory complies with the requirements of ISO/IEC 17025 (2005) and AS/ISO 15189 (2012) interpreted for research using the CITAC Guide CG2 Quality Assurance for Research and Development and Non-Routine Analysis (1998).

Management and conduct of research into developing, characterising, supplying and archiving mouse models of human disease.

Exportation, importation and quarantine of live mice, frozen gametes and embryos and colony management in accordance with regulatory requirements (Department of Agriculture Quarantine - QAP, OGTR PC2, the Code of Practice for the care and use of animals for scientific purposes -NHMRC).

Characterisation of human disease cohorts and mouse models, and the creation of mouse models are performed using the following techniques and processes:

- Genotyping
- Phenotyping (Immunoassay, Biochemistry)
- Next generation sequencing (exome sequencing studies)
library preparation and data processing via bioinformatics pipeline software
- Sanger sequencing
amplicon preparation and sequence analysis using commercial software
- Chemical mutagenesis (ENU)

The Australian Phenome Bank (APB) is a biorepository and databank focused on the collection of mouse models. It provides researchers with a diverse range of specimens and the associated data obtained. The Phenome Bank is managed in accordance with applicable principles of the National Health and Medical Research Council Biobanks Information Paper 2010.

Storage and recovery of mouse strains is performed using the following techniques:

- Cryopreservation
- Reanimation via In Vitro Fertilisation (IVF)

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(Scope Last Changed 02/06/15)