

DECLARATION

Declaration of transparency and scientific rigour: checklist for animal experimentation

This checklist for animal experimentation provides guidance for transparent reporting and scientific rigour of preclinical research as set out in the [UK Concordat on Openness on Animal Research](#), the [Research Councils UK guidance to grant applicants](#), the [USA NIH Guidelines on reporting preclinical research](#), the [ARRIVE Guidelines \(Kilkenny *et al.*, 2010\)](#) and the [National Centre for the Replacement, Refinement & Reduction of Animals in Research \(NC3Rs\)](#), the UK government funded organisation set up to promote the principles of the 3Rs. This checklist is intended as a guide for submission to the *British Journal of Pharmacology*.

Criteria	Number	Issue	Where to place information
Justification for validity of animal species or model selection	1	A scientific justification for the animal species and model selected for study is provided.	Methods
Ethical review	2	Details of the ethical review permissions, and national or institutional guidelines for the care and use of animals that cover the research are indicated.	Methods
Animal demographics	3	The source, species, strain, sex, range of age and weight of animals and any additional data that are relevant to the study are provided.	Methods
Housing and husbandry	4	Details are provided of: housing (type of facility <i>e.g.</i> , specific pathogen free [SPF]; type of cage or housing; bedding material; number of cage companions; tank shape and material <i>etc.</i> , for fish).	Methods
Experimental procedures	5	Details are provided of anaesthesia and analgesia, surgical procedures, how the animal was killed and, if there is recovery following surgery, the methods of asepsis, and post-operative care.	Methods
Animal welfare	6	Welfare-related assessments, measurements and interventions (<i>e.g.</i> , humane end points) that were carried out prior to, during, or after the experiment are included.	Methods
Interpretation	7	A statement is made if the study has any implications for replacement, refinement or reduction (the 3Rs).	Discussion
Translation implications	8	A statement is made concerning the possible clinical relevance of the study.	Discussion