

## REVIEWER'S COMMENTS

06/02/2025

**Manuscript Title:** *In vitro* feasibility of bovine whole blood and commercially prepared canine whole blood and packed red blood cells as a source of xenotransfusion in swine (*Sus scrofa domestica*)

**Journal:** PeerJ

**ID:** 109345

**Received on:** 28-01-2025

**Date of reporting:** 07-02-2025

### **Reviewer comments:**

#### **I. BASIC REPORTING**

- a. The English language used is in correct grammatical form with easy-to-understand sentences
- b. The topic is well referenced with majority of the references cited from the last 15 years and a good number of references of the last five years i.e. after 2020 year
- c. The standards of PeerJ are met and there is clarity in scientific expression
- d. The tables are numbered correctly and the data is explained well in the text of the manuscript
- e. The following points may be addressed
  - i) Line 93 – Deschamps 2007b – is missing in Reference section
  - ii) Line 114 – J. S. Smith et al – remove initials while citing in text
  - iii) Line 172, 226, 227, 230, 364, 396 – remove initials from cited references
  - iv) Line 312 – Two/6 --- change to 2/6
  - v) Line 349 – Weltman, Fletcher and Rogers 2014 – correct to Weltman et al, 2014
  - vi) Line 351 – in vitro – write in italics *in vitro*
  - vii) Line 352 – Salazar 2024 – missing in references list
  - viii) Line 485 – 488 – Diaz et al 2020 – Missing in text of manuscript
  - ix) Line 551 – 552 – Swindle 2007 – Missing in text of the manuscript
  - x) Table 3 – In reference cited Newman ALW 2014 – remove initials
  - xi) Figure 1 – Write correct table number (Table 2 instead of Table 1)
- f. **Line 358, 359 – minor crossmatch between porcine red blood cells and bovine plasma was always incompatible in our study ..... Clarify !! Haemolysis and agglutination???**
- g. **It is suggested that few images of Quick slide test & SSA may be included.**
- h. **Table 2 – mention Grade 5 and Grade 6 – that has been depicted in the Figure 1**
- i. **Grading in Figure 1 and Table 2 do not match.**

#### **II. Experimental Design**

- a. Experiment is well planned. It has ample field importance in day-to-day veterinary practice. The investigation and methods employed are of high technical standards.
- b. The research does fall within the scope of PeerJ

- III. The conclusions are well drawn and supports the findings reported.
- IV. Plagiarism Checker – X reports 10 % similarity in the content of the manuscript, which is acceptable.
- V. The following review article may be also be referred and used  
**Aravindh S and Ninan Jacob (2021). Blood transfusion in animals: A review. Journal of Entomology and Zoology Studies 9(5):357-361**

**In my opinion the article can be published in PeerJ after attending to the minor corrections indicated in the Reviewer's comments**

**Dr. Ninan Jacob  
Professor and Head,  
Department of Veterinary Physiology,  
RIVER, Puducherry – 605009  
INDIA**