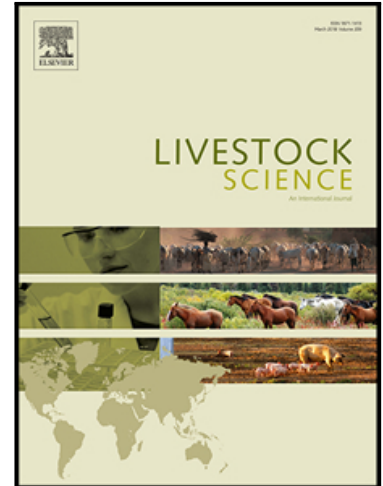


## Accepted Manuscript

Agreement between passive infrared detector measurements and human observations of animal activity

R. Besteiro , M.R. Rodríguez , M.D. Fernandez , J.A. Ortega ,  
R. Velo

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## Highlights

- Passive infrared (PIR) detector has been used to measure animal activity in piglets
- This measurements were validated by a human observation of the animals
- Both methods agree in the level of activity detected
- PIR detector slightly overestimates the activity observed by human
- PIR detectors can provide an accurately estimation of the relative animal activity

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