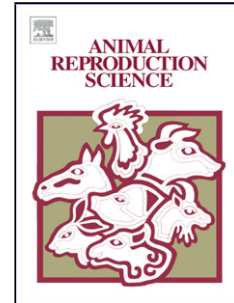


Accepted Manuscript

Title: Reduction in Percoll volume increases recovery rate of sex-sorted semen of bulls without affecting sperm quality and early embryonic development

Authors: Daniele Missio, Natália Picolli Folchini, Fabio Gallas Leivas, Cecília Isabel Inês Urquiza Machado Pavin, Hirya Fernandes Pinto, Francielli Weber Santos Cibin, Daniela dos Santos Brum



PII: S0378-4320(17)30995-8
DOI: <https://doi.org/10.1016/j.anireprosci.2018.03.002>
Reference: ANIREP 5780

To appear in: *Animal Reproduction Science*

Received date: 4-12-2017
Revised date: 23-2-2018
Accepted date: 2-3-2018

Please cite this article as: Missio D, Folchini NP, Leivas FG, Pavin CIIUM, Pinto HF, Santos Cibin FW, dos Santos Brum D, Reduction in Percoll volume increases recovery rate of sex-sorted semen of bulls without affecting sperm quality and early embryonic development, *Animal Reproduction Science* (2010), <https://doi.org/10.1016/j.anireprosci.2018.03.002>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Reduction in Percoll volume increases recovery rate of sex-sorted semen of bulls without affecting sperm quality and early embryonic development

Daniele Missio^{a*}; Natália Picolli Folchini^a; Fabio Gallas Leivas^a; Cecília Isabel Inês Urquiza Machado Pavin^a; Hirya Fernandes Pinto^a; Francielli Weber Santos Cibirin^a; Daniela dos Santos Brum^a

^aFederal University of Pampa (UNIPAMPA), BIOTECH, Laboratory Biotechnology of Reproduction, 97.500-970, Uruguaiana, RS, Brazil

*Corresponding author: Rod. BR 472, Km 587, Cx. Postal 118 - 97.500-970, Uruguaiana, RS, Brazil; Tel/fax.: +555534134321; E-mail: daniele.missio@yahoo.com.br (Daniele Missio)

ABSTRACT

The aim of the present study was to evaluate the effects of Percoll volume on recovery rate, sperm quality, and embryo development kinetics in *in vitro* production of cattle embryos. Straws of conventional and sex-sorted semen were allocated to three different volumes of Percoll: 300 μ L of each Percoll gradient (90%, 60%, and 30%), Control; 100 μ L of each Percoll gradient, P100; and 200 μ L of each Percoll gradient, P200. Sperm quality, fertilization rate, and embryo morpho-kinetic development using time lapse cinematography up to 48 h post-insemination were evaluated. For conventionally processed semen, sperm motility, vigor,

Download English Version:

<https://daneshyari.com/en/article/8403938>

Download Persian Version:

<https://daneshyari.com/article/8403938>

[Daneshyari.com](https://daneshyari.com)