

# CITATION REPORT

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**In vitro and in vivo assessment of functional capacity of flow cytometrically sorted ram spermatozoa after freezing and thawing**

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**Reproduction, Fertility and Development, 2003, 15, 351-9.**

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#	Paper	IF	Citations
73	Birth of lambs of a pre-determined sex after in vitro production of embryos using frozen-thawed sex-sorted and re-frozen-thawed ram spermatozoa. <i>Reproduction</i> , <b>2004</b> , 127, 557-68	3.8	60
72	Production of lambs after the transfer of fresh and cryopreserved in vitro produced embryos from prepubertal lamb oocytes and unsorted and sex-sorted frozen-thawed spermatozoa. <i>Reproduction in Domestic Animals</i> , <b>2004</b> , 39, 454-61	1.6	12
71	Preservation and artificial insemination of sexed semen in sheep. <i>Reproduction, Fertility and Development</i> , <b>2004</b> , 16, 455	1.8	17
70	Integration of sperm sexing technology into the ART toolbox. <i>Animal Reproduction Science</i> , <b>2004</b> , 82-83, 79-79	2.1	
69	Integration of sperm sexing technology into the ART toolbox. <i>Animal Reproduction Science</i> , <b>2004</b> , 82-83, 79-95	2.1	98
68	Osmotic tolerance of mouse spermatozoa from various genetic backgrounds: acrosome integrity, membrane integrity, and maintenance of motility. <i>Cryobiology</i> , <b>2005</b> , 50, 193-205	2.7	33
67	The effect of gamete co-incubation time during in vitro fertilization with frozen-thawed unsorted and sex-sorted ram spermatozoa on the development of in vitro matured adult and prepubertal ewe oocytes. <i>Theriogenology</i> , <b>2005</b> , 64, 363-77	2.8	14
66	Challenges facing sex preselection of stallion spermatozoa. <i>Animal Reproduction Science</i> , <b>2005</b> , 89, 147-57.1	2.1	15
65	In vitro and in vivo survival of bisected sheep embryos derived from frozen-thawed unsorted, and frozen-thawed sex-sorted and refrozen-thawed ram spermatozoa. <i>Theriogenology</i> , <b>2006</b> , 65, 1333-45	2.8	12
64	Effect of sex-sorting on the ability of fresh and cryopreserved bull sperm to undergo an acrosome reaction. <i>Theriogenology</i> , <b>2006</b> , 66, 929-36	2.8	55
63	In vitro characteristics of fresh and frozen-thawed ram spermatozoa after sex sorting and re-freezing. <i>Reproduction, Fertility and Development</i> , <b>2006</b> , 18, 867-74	1.8	35
62	Improvement strategies in ovine artificial insemination. <i>Reproduction in Domestic Animals</i> , <b>2006</b> , 41 Suppl 2, 30-42	1.6	50
61	The influence of antioxidant, cholesterol and seminal plasma on the in vitro quality of sorted and non-sorted ram spermatozoa. <i>Theriogenology</i> , <b>2007</b> , 67, 217-27	2.8	46
60	Birth of offspring of pre-determined sex after artificial insemination of frozen-thawed, sex-sorted and re-frozen-thawed ram spermatozoa. <i>Theriogenology</i> , <b>2007</b> , 67, 391-8	2.8	43
59	Non-surgical deep intra-uterine transfer of in vitro produced porcine embryos derived from sex-sorted frozen-thawed boar sperm. <i>Animal Reproduction Science</i> , <b>2007</b> , 99, 82-92	2.1	14
58	Influence of supplementing diet with Oleic and Linoleic acid on the freezing ability and sex-sorting parameters of ram semen. <i>Livestock Science</i> , <b>2007</b> , 110, 166-173	1.7	18
57	Embryo production from superovulated sheep inseminated with sex-sorted ram spermatozoa. <i>Theriogenology</i> , <b>2007</b> , 67, 550-5	2.8	19

56	Successful low dose insemination of flow cytometrically sorted ram spermatozoa in sheep. <i>Reproduction in Domestic Animals</i> , <b>2007</b> , 42, 648-53	1.6	27
55	Altered mRNA expression patterns in bovine blastocysts after fertilisation in vitro using flow-cytometrically sex-sorted sperm. <i>Molecular Reproduction and Development</i> , <b>2007</b> , 74, 931-40	2.6	79
54	Application and commercialization of flow cytometrically sex-sorted semen. <i>Reproduction in Domestic Animals</i> , <b>2008</b> , 43 Suppl 2, 338-46	1.6	54
53	Assessment of in vitro sperm characteristics in relation to fertility in dairy bulls. <i>Animal Reproduction Science</i> , <b>2008</b> , 103, 201-14	2.1	104
52	Field fertility of sex-sorted and non-sorted frozen-thawed stallion spermatozoa. <i>Animal Reproduction Science</i> , <b>2008</b> , 108, 287-97	2.1	27
51	Functional integrity of sex-sorted, frozen-thawed boar sperm and its potential for artificial insemination. <i>Theriogenology</i> , <b>2008</b> , 70, 1234-41	2.8	22
50	Can bovine in vitro-matured oocytes selectively process X- or Y-sorted sperm differentially?. <i>Biology of Reproduction</i> , <b>2008</b> , 79, 594-7	3.9	59
49	Seminal plasma proteins protect flow-sorted ram spermatozoa from freeze-thaw damage. <i>Reproduction, Fertility and Development</i> , <b>2009</b> , 21, 571-8	1.8	23
48	The history of sperm cryopreservation. 1-17		22
47	Sperm sexing in sheep and cattle: the exception and the rule. <i>Theriogenology</i> , <b>2009</b> , 71, 89-97	2.8	36
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45	Factors influencing the "sortability" of stallion spermatozoa into X- and Y-chromosome bearing populations. <i>Animal Reproduction Science</i> , <b>2009</b> , 113, 220-8	2.1	13
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43	Seminal plasma proteins do not consistently improve fertility after cervical insemination of ewes with non-sorted or sex-sorted frozen-thawed ram spermatozoa. <i>Reproduction, Fertility and Development</i> , <b>2010</b> , 22, 606-12	1.8	20
42	Developmental kinetics and gene expression in male and female bovine embryos produced in vitro with sex-sorted spermatozoa. <i>Reproduction, Fertility and Development</i> , <b>2010</b> , 22, 426-36	1.8	59
41	Incidence of chromosomal abnormalities in bovine blastocysts derived from unsorted and sex-sorted spermatozoa. <i>Reproduction, Fertility and Development</i> , <b>2010</b> , 22, 1272-8	1.8	8
40	Pregnancy loss in heifers after artificial insemination with frozen-thawed, sex-sorted, re-frozen-thawed dairy bull sperm. <i>Animal Reproduction Science</i> , <b>2010</b> , 118, 7-12	2.1	36
39	Birth of offspring after artificial insemination of heifers with frozen-thawed, sex-sorted, re-frozen-thawed bull sperm. <i>Animal Reproduction Science</i> , <b>2010</b> , 118, 171-5	2.1	23

38	Sperm surface changes and physiological consequences induced by sperm handling and storage. <i>Reproduction</i> , <b>2011</b> , 142, 759-78	3.8	117
37	Pregnancy rate of Nelore females inseminated with male-sexed semen. <i>Animal Reproduction Science</i> , <b>2011</b> , 129, 127-31	2.1	6
36	Two-dimensional polyacrylamide gel electrophoresis of membrane proteins from flow cytometrically sorted ram sperm. <i>Theriogenology</i> , <b>2011</b> , 75, 962-71	2.8	11
35	In vitro fertilization using non-sexed and sexed bovine sperm: sperm concentration, sorter pressure, and bull effects. <i>Reproduction in Domestic Animals</i> , <b>2011</b> , 46, 495-502	1.6	34
34	Strategies to improve the reproductive efficiency of goats in Brazil. <i>Small Ruminant Research</i> , <b>2011</b> , 98, 176-184	1.7	13
33	Flow Cytometric Sorting of Mammalian Sperm for Predetermination of Sex. <b>2011</b> , 429-440		
32	Seminal plasma and seminal plasma proteins added to bulk sorted sperm do not alter the mRNA expression of in vitro produced bovine embryos. <i>Theriogenology</i> , <b>2012</b> , 78, 132-9	2.8	8
31	Semen processing and artificial insemination in health management of small ruminants. <i>Animal Reproduction Science</i> , <b>2012</b> , 130, 187-92	2.1	40
30	In vitro and in vivo quality of bovine embryos in vitro produced with sex-sorted sperm. <i>Theriogenology</i> , <b>2012</b> , 78, 1465-75	2.8	40
29	Sex selection of sperm in farm animals: status report and developmental prospects. <i>Reproduction</i> , <b>2013</b> , 145, R15-30	3.8	48
28	Dimethyl formamide improves the postthaw characteristics of sex-sorted and nonsorted stallion sperm. <i>Theriogenology</i> , <b>2013</b> , 79, 1027-33	2.8	13
27	Use of sex-sorted and unsorted frozen/thawed sperm and in vitro fertilization events in bovine oocytes derived from ultrasound-guided aspiration. <i>Revista Brasileira De Zootecnia</i> , <b>2013</b> , 42, 721-727	1.2	2
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25	Seminal plasma aids the survival and cervical transit of epididymal ram spermatozoa. <i>Reproduction</i> , <b>2014</b> , 148, 469-78	3.8	40
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21	Effect of spermatozoa motility hyperactivation factors and gamete coincubation duration on in vitro bovine embryo development using flow cytometrically sorted spermatozoa. <i>Reproduction, Fertility and Development</i> , <b>2017</b> , 29, 805-814	1.8	3

20	Field fertility of liquid stored and cryopreserved flow cytometrically sex-sorted stallion sperm. <i>Equine Veterinary Journal</i> , <b>2017</b> , 49, 160-166	2.4	6
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18	Reduction in Percoll volume increases recovery rate of sex-sorted semen of bulls without affecting sperm quality and early embryonic development. <i>Animal Reproduction Science</i> , <b>2018</b> , 192, 146-153	2.1	3
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16	Deep insemination with sex-sorted Cashmere goat sperm processed in the presence of antioxidants. <i>Reproduction in Domestic Animals</i> , <b>2018</b> , 53, 11-19	1.6	4
15	Flow cytometry sex sorting affects bull sperm longevity and compromises their capacity to bind to oviductal cells. <i>Livestock Science</i> , <b>2018</b> , 207, 30-37	1.7	11
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12	Bovine sperm-oviduct interactions are characterized by specific sperm behaviour, ultrastructure and tubal reactions which are impacted by sex sorting. <i>Scientific Reports</i> , <b>2020</b> , 10, 16522	4.9	3
11	Treatment with prostaglandin F and an intravaginal progesterone insert promotes follicular maturity in advance of gonadotropin-releasing hormone among postpartum beef cows. <i>Theriogenology</i> , <b>2020</b> , 157, 350-359	2.8	3
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9	Developmental kinetics and viability of bovine embryos produced in vitro with sex-sorted semen. <i>Theriogenology</i> , <b>2021</b> , 161, 243-251	2.8	3
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