

# Current knowledge on boar sperm metabolism: Comparison

Theriogenology

85, 4-11

DOI: [10.1016/j.theriogenology.2015.05.005](https://doi.org/10.1016/j.theriogenology.2015.05.005)

Citation Report

#	ARTICLE	IF	CITATIONS
1	The mu ( $\mu$ ) and delta ( $\delta$ ) opioid receptors modulate boar sperm motility. <i>Molecular Reproduction and Development</i> , 2016, 83, 724-734.	1.0	13
2	Metabolic activity of boar semen stored in different extenders supplemented with ostrich egg yolk lipoproteins. <i>Journal of Veterinary Research (Poland)</i> , 2017, 61, 127-133.	0.3	6
3	A technical assessment of the porcine ejaculated spermatozoa for a sperm-specific RNA-seq analysis. <i>Systems Biology in Reproductive Medicine</i> , 2018, 64, 291-303.	1.0	45
4	Relation between respiratory activity and sperm parameters in boar spermatozoa cryopreserved with alpha-tocopherol and selected by Sephadex. <i>Reproduction in Domestic Animals</i> , 2018, 53, 979-985.	0.6	4
5	The sperm mitochondrion: Organelle of many functions. <i>Animal Reproduction Science</i> , 2018, 194, 71-80.	0.5	98
6	Combined effects of resveratrol and epigallocatechin-3-gallate on post thaw boar sperm and IVF parameters. <i>Theriogenology</i> , 2018, 117, 16-25.	0.9	37
7	Melatonin affects the motility and adhesiveness of in vitro capacitated boar spermatozoa via a mechanism that does not depend on intracellular ROS levels. <i>Andrology</i> , 2018, 6, 720-736.	1.9	14
8	Mitochondrial OXPHOS is involved in the protective effects of L-arginine against heat-induced low sperm motility of boar. <i>Journal of Thermal Biology</i> , 2019, 84, 236-244.	1.1	12
9	Composition of collared peccary seminal plasma and sperm motility kinetics in semen obtained during dry and rainy periods in a semiarid biome. <i>Animal Reproduction Science</i> , 2019, 211, 106229.	0.5	9
10	Effects of Isatis root polysaccharide on boar sperm quality during liquid storage and in vitro fertilization. <i>Animal Reproduction Science</i> , 2019, 210, 106178.	0.5	8
11	A RNA-Seq Analysis to Describe the Boar Sperm Transcriptome and Its Seasonal Changes. <i>Frontiers in Genetics</i> , 2019, 10, 299.	1.1	53
12	Sperm function and mitochondrial activity: An insight on boar sperm metabolism. <i>Theriogenology</i> , 2020, 144, 82-88.	0.9	40
13	Effects of different equilibration times at 5°C on boar sperm cryotolerance. <i>Animal Reproduction Science</i> , 2020, 219, 106547.	0.5	8
14	Red LED Light Acts on the Mitochondrial Electron Chain of Donkey Sperm and Its Effects Depend on the Time of Exposure to Light. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 588621.	1.8	13
15	miR-26a is Involved in Glycometabolism and Affects Boar Sperm Viability by Targeting PDHX. <i>Cells</i> , 2020, 9, 146.	1.8	11
16	Viability longevity and quality of epididymal sperm stored in the liquid state of European red deer ( <i>Cervus elaphus elaphus</i> ). <i>Animal Reproduction Science</i> , 2020, 213, 106269.	0.5	7
17	Functions and effects of reactive oxygen species in male fertility. <i>Animal Reproduction Science</i> , 2020, 220, 106456.	0.5	21
18	Mitochondria: their role in spermatozoa and in male infertility. <i>Human Reproduction Update</i> , 2021, 27, 697-719.	5.2	67

#	ARTICLE	IF	CITATIONS
19	Comprehensive dynamic analysis of proteins in the spermatheca of female <i>Haemaphysalis longicornis</i> after copulation. <i>Experimental and Applied Acarology</i> , 2021, 83, 583-596.	0.7	0
20	The effects of broccoli and caraway extracts on serum oxidative markers, testicular structure and function, and sperm quality before and after sperm cryopreservation. <i>Cryobiology</i> , 2021, 99, 11-19.	0.3	17
21	Biotecnología aplicada al estudio de la movilidad del semen porcino. <i>Agronomy Mesoamerican</i> , 0, , 662-680.	0.1	1
22	Mitochondria Content and Activity Are Crucial Parameters for Bull Sperm Quality Evaluation. <i>Antioxidants</i> , 2021, 10, 1204.	2.2	11
23	Metformin improves boar sperm quality via 5'-AMP-activated protein kinase-mediated energy metabolism &in vitro. <i>Zoological Research</i> , 2020, 41, 527-538.	0.9	17
25	Different approaches for assessing sperm function. <i>Animal Reproduction</i> , 2019, 16, 72-80.	0.4	4
26	Impact of Seminal Plasma Composition on Sperm Freezability in Wild Mammals: A Review. <i>Biopreservation and Biobanking</i> , 2022, 20, 90-96.	0.5	5
27	Different approaches for assessing sperm function. <i>Animal Reproduction</i> , 2020, 16, 72-80.	0.4	1
28	Targeted antioxidant delivery modulates mitochondrial functions, ameliorates oxidative stress and preserve sperm quality during cryopreservation. <i>Theriogenology</i> , 2022, 179, 22-31.	0.9	21
29	Impact of glyphosate and its formulation Roundup® on stallion spermatozoa. <i>Theriogenology</i> , 2021, 179, 197-203.	0.9	3
30	Use of specific mitochondrial complex inhibitors to investigate mitochondrial involvement on horse sperm motility and ROS production. <i>Research in Veterinary Science</i> , 2022, 147, 12-19.	0.9	4
47	In vitro storage of boar spermatozoa increases the demand of adenosine triphosphate for reactivation of motility. <i>Andrology</i> , 0, , .	1.9	2
48	Testicular Glycogen Metabolism: An Overlooked Source of Energy for Spermatogenesis?. <i>Biochem</i> , 2022, 2, 198-214.	0.5	7
49	Motility Assessment of Ram Spermatozoa. <i>Biology</i> , 2022, 11, 1715.	1.3	9
50	Fertility results after exocervical insemination using goat semen cryopreserved with extenders based on egg yolk, skim milk, or soybean lecithin. <i>Reproduction in Domestic Animals</i> , 2023, 58, 431-442.	0.6	2
52	Comparative assessment of reproductive capacity of boar-sires depending on the breed and season. <i>Ukrainian Journal of Veterinary and Agricultural Sciences</i> , 2022, 5, 23-28.	0.1	0
53	N-thiocarboxyanhydrides, amino acid-derived enzyme-activated H <sub>2</sub> S donors, enhance sperm mitochondrial activity in presence and absence of oxidative stress. <i>BMC Veterinary Research</i> , 2023, 19, .	0.7	4
54	The sperm mitochondria: clues and challenges. <i>Animal Reproduction</i> , 2022, 19, .	0.4	1

#	ARTICLE	IF	CITATIONS
55	Sperm physiology and in vitro fertilising ability rely on basal metabolic activity: insights from the pig model. <i>Communications Biology</i> , 2023, 6, .	2.0	3