

# Aquaporins 7 and 11 in boar spermatozoa: detection, localization and effect on sperm quality

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Membrane Stress During Thawing Elicits Redistribution of Aquaporin 7 But Not of Aquaporin 9 in Boar Spermatozoa. <i>Reproduction in Domestic Animals</i> , 2016, 51, 665-679.	1.4	22
2	Aquaporins in the male reproductive tract and sperm: Functional implications and cryobiology. <i>Reproduction in Domestic Animals</i> , 2017, 52, 12-27.	1.4	62
3	First evidence for the presence of aquaporins in stallion sperm. <i>Reproduction in Domestic Animals</i> , 2017, 52, 61-64.	1.4	24
4	Relationship of aquaporins 3 (<scp>AQP</scp>3), 7 (<scp>AQP</scp>7), and 11 (<scp>AQP</scp>11) with boar sperm resilience to withstand freeze-thawing procedures. <i>Andrology</i> , 2017, 5, 1153-1164.	3.5	40
5	Adipocyte aquaporin 7 (AQP7) expression in lean children and children with obesity. Possible involvement in molecular mechanisms of childhood obesity. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2018, 31, 1081-1089.	0.9	10
6	Expression and localization of aquaporins 3 and 7 in bull spermatozoa and their relevance to sperm motility after cryopreservation. <i>Journal of Reproduction and Development</i> , 2018, 64, 327-335.	1.4	15
7	Aquaporin 11 is related to cryotolerance and fertilising ability of frozen-thawed bull spermatozoa. <i>Reproduction, Fertility and Development</i> , 2018, 30, 1099.	0.4	21
8	In-depth proteomic analysis of boar spermatozoa through shotgun and gel-based methods. <i>BMC Genomics</i> , 2018, 19, 62.	2.8	26
9	Aquaglyceroporins but not orthodox aquaporins are involved in the cryotolerance of pig spermatozoa. <i>Journal of Animal Science and Biotechnology</i> , 2019, 10, 77.	5.3	20
10	Cryotolerance of Stallion Spermatozoa Relies on Aquaglyceroporins rather than Orthodox Aquaporins. <i>Biology</i> , 2019, 8, 85.	2.8	12
11	Effect of AQP Inhibition on Boar Sperm Cryotolerance Depends on the Intrinsic Freezability of the Ejaculate. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6255.	4.1	10
12	Irradiating frozen-thawed stallion sperm with red-light increases their resilience to withstand post-thaw incubation at 38°C. <i>Theriogenology</i> , 2020, 157, 85-95.	2.1	8
13	Role of Aquaporins in Spermatogenesis and Testicular Steroidogenesis. <i>Journal of Membrane Biology</i> , 2020, 253, 109-114.	2.1	5
14	The synergistic effect of trehalose and low concentrations of cryoprotectants can improve post-thaw ram sperm parameters. <i>Cryobiology</i> , 2020, 95, 157-163.	0.7	25
15	Aquaporin3 expression and the potential role of aquaporins in motility and mitochondrial membrane potential in human spermatozoa. <i>Andrologia</i> , 2020, 52, e13588.	2.1	11
16	The Effects of Red Light on Mammalian Sperm Rely upon the Color of the Straw and the Medium Used. <i>Animals</i> , 2021, 11, 122.	2.3	4
17	Aquaporins and (in)fertility: More than just water transport. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166039.	3.8	15
18	Aquaporins: New markers for male (in)fertility in livestock and poultry?. <i>Animal Reproduction Science</i> , 2021, 231, 106807.	1.5	6

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19	Aquaporins Are Essential to Maintain Motility and Membrane Lipid Architecture During Mammalian Sperm Capacitation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 656438.	3.7	5
20	Combination of trehalose and low boron in presence of decreased glycerol improves post-thawed ram sperm parameters: A model study in boron research. <i>Andrology</i> , 2022, 10, 585-594.	3.5	6
21	Aquaporins and Animal Gamete Cryopreservation: Advances and Future Challenges. <i>Animals</i> , 2022, 12, 359.	2.3	11
22	Relevance of Aquaporins for Gamete Function and Cryopreservation. <i>Animals</i> , 2022, 12, 573.	2.3	9
23	Expression of Aquaglyceroporins in Spermatozoa from Wild Ruminants Is Influenced by Photoperiod and Thyroxine Concentrations. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2903.	4.1	6
24	Changes in aquaporins mRNA expression and liquid storage at 17°C: A potential biomarker of boar sperm quality?. <i>Reproduction in Domestic Animals</i> , 2022, , .	1.4	1
25	Differential Expressions of Aquaporin Subtypes in the Adult Mouse Testis. <i>Development &amp; Reproduction</i> , 2022, 26, 59-69.	0.4	4
26	Proteomic analysis of donkey sperm reveals changes in acrosome enzymes and redox regulation during cryopreservation. <i>Journal of Proteomics</i> , 2022, 267, 104698.	2.4	2
27	Molecular Markers: A New Paradigm in the Prediction of Sperm Freezability. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3379.	4.1	5
28	Location of aquaporins 3, 7 and 10 in frozen-thawed ejaculated and cauda epididymal spermatozoa from the Iberian ibex, mouflon, and chamois. , 2023, 2, 100025.		2
29	Proton pump inhibitors affect sperm parameters by regulating aquaporins. <i>Heliyon</i> , 2023, 9, e17911.	3.2	0
30	Cryopreservation of Domestic and Wild Animal Spermatozoa: Update of Knowledge. <i>Veterinary Medicine and Science</i> , 0, , .	0.0	0
31	An updated review on the application of proteomics to explore sperm cryoinjury mechanisms in livestock animals. <i>Animal Reproduction Science</i> , 2024, 263, 107441.	1.5	0