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Evaluation of sperm motility with CASA-Mot: which factors may influence our measurements?

DOI: 10.1071/rd17475

Reproduction, Fertility and Development, 2018, 30, 789-798.

Source: <https://exaly.com/paper-pdf/71515891/citation-report.pdf>

Version: 2024-04-28

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#	Paper	IF	Citations
25	Computer-assisted sperm analysis and reproductive science; a gift for understanding gamete biology from multidisciplinary perspectives. <i>Reproduction, Fertility and Development</i> , 2018 , 30, iii	1.8	13
24	Combined effects of type and depth of counting chamber, and rate of image frame capture, on bull sperm motility and kinematics. <i>Animal Reproduction Science</i> , 2019 , 209, 106169	2.1	8
23	Comparative Proteomic Analysis of Proteins Involved in Bioenergetics Pathways Associated with Human Sperm Motility. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	20
22	Evaluation of a portable device for assessment of motility in stallion semen. <i>Reproduction in Domestic Animals</i> , 2019 , 54, 514-519	1.6	7
21	An update on boar semen assessments by flow cytometry and CASA. <i>Theriogenology</i> , 2019 , 137, 93-103	2.8	9
20	Validation of a portable device (iSperm) for the assessment of stallion sperm motility and concentration. <i>Reproduction in Domestic Animals</i> , 2019 , 54, 1113-1120	1.6	3
19	Combined effect of type and capture area of counting chamber and diluent on Holstein bull sperm kinematics. <i>Andrologia</i> , 2019 , 51, e13223	2.4	5
18	Single Layer Centrifugation Improves the Quality of Fresh Donkey Semen and Modifies the Sperm Ability to Interact with Polymorphonuclear Neutrophils. <i>Animals</i> , 2020 , 10,	3.1	1
17	Motile sperm subpopulations in bull semen using different clustering approaches - Associations with flow cytometric sperm characteristics and fertility. <i>Animal Reproduction Science</i> , 2020 , 215, 106329	2.1	13
16	Computer Aided Sperm Analysis (CASA) in domestic animals: Current status, three D tracking and flagellar analysis. <i>Animal Reproduction Science</i> , 2020 , 220, 106350	2.1	4
15	Semen Evaluation. 2021 , 257-274		
14	Standard Semen Analysis: Computer-Assisted Semen Analysis. 2021 , 11-22		
13	Effect of Extender, Storage Time and Temperature on Kinetic Parameters (CASA) on Bull Semen Samples. <i>Biology</i> , 2021 , 10,	4.9	1
12	Assessment of sperm motility in livestock: Perspectives based on sperm swimming conditions in vivo. <i>Animal Reproduction Science</i> , 2021 , 106849	2.1	0
11	The application of computer-assisted semen analysis (CASA) technology to optimise semen evaluation. A review. <i>Journal of Animal and Feed Sciences</i> , 2020 , 29, 189-198	1.5	2
10	Impact of Cryopreservation on Motile Subpopulations and Tyrosine-Phosphorylated Regions of Ram Spermatozoa during Capacitating Conditions. <i>Biology</i> , 2021 , 10,	4.9	2
9	Sperm Motility in Bank (Clethrionomys glareolus) and Northern Red-backed Voles (Cl. rutilus) Exposed to Industrial Pollution. <i>Russian Journal of Ecology</i> , 2022 , 53, 48-57	0.7	

8	Sperm Gone Smart: A Portable Device (iSperm) to Assess Semen Concentration and Motility in Dogs.. <i>Animals</i> , 2022 , 12,	3.1
7	Fertility prediction in dairy goats from Murciano-Granadina breed: The role of sperm evaluation and female traits.. <i>Animal</i> , 2022 , 16, 100525	3.1
6	Predicting fertility from sperm motility landscapes. 2022 , 5,	0
5	Use of auxiliary techniques for assessing the reproductive capacity of natural service Nellore bulls. 2022 , 107090	0
4	Quercetin: Putative effects on the function of cryopreserved sperms in domestic animals.	1
3	Relationship between frame rates and subpopulation structure of bovine sperm divided by their motility analyzed by a computer-assisted sperm analysis system. 2022 , 93,	0
2	Review: An update on the methods for semen quality evaluation in swine - from farm to the lab. 2023 , 100720	0
1	Optimization of human semen analysis using CASA-Mot technology. 2023 , 69, 166-174	0