

## Evaluation of somatic cells in milk of ewes as possible physiological level

Kristína TVAROŽKOVÁ, Vladimír TANČIN, Michal UHRINČAŤ, Lucia MAČUHOVÁ, Robert TOMAN, Martina TUNEGOVÁ

### References

- Arias, R., Oliete, B., Ramón, M., Arias, C., Gallego, R., Montoro, V., Pérez-Guzmán, M. D. (2012) Long-term study of environmental effects on test-day somatic cell count and milk yield in Manchega sheep. *Small Ruminant Research*, 106 (2), 92-97. DOI: <http://dx.doi.org/10.1016/j.smallrumres.2012.03.019>
- Bergonier, D., De Crémoux, R., Rupp, R., Lagriffoul, G., Berthelot, X. (2003) Mastitis of dairy small ruminants. *Veterinary Research*, 34 (5), 689-716. DOI: <https://dx.doi.org/10.1051/vetres:2003030>
- Contreras, A., Sierra, D., Sánchez, Z. A., Corrales, J. C., Marco, J.C., Paape, M. J., Gonzalo, C. (2007) Mastitis in small ruminants. *Small Ruminant Research*, 68 (1-2), 145-153. DOI: <https://dx.doi.org/10.1016/j.smallrumres.2006.09.011>
- Idriss, S. E., Tančin, V., Margetín, M., Tančinová, D., Sláma, P., Havlíček, Z. (2015) Frequency of distribution of somatic cell count in dairy ewe's milk. *Journal of Microbiology, Biotechnology and Food Sciences*, 4 (3), 148-151. DOI: <https://dx.doi.org/10.15414/jmbfs.2015.4.special3.148-151>
- Leitner, G., Chaffer, M., Zamir, S., Mor, T., Glickman, A., Winkler, M., Weisblit, L., Saran, A. (2001) Udder disease etiology, milk somatic cell counts and NAGase activity in Israeli Assaf sheep throughout lactation. *Small Ruminant Research*, 39 (2), 107-112. DOI: [https://dx.doi.org/10.1016/S0921-4488\(00\)00190-5](https://dx.doi.org/10.1016/S0921-4488(00)00190-5)
- Leitner, G., Silanikove, N., Merin, U. (2008) Estimate of milk and curd yield loss of sheep and goats with intramammary infection and its relation to somatic cell count. *Small Ruminant Research*, 74 (3), 221-225. DOI: <http://dx.doi.org/10.1016/j.smallrumres.2007.02.009>
- Olechnowicz, J., Jaskowski, J. M. (2014) Mastitis in small ruminants. *Medycyna Weterynaryjna/ Veterinary Medicine - Science And Practice*, 70 (2), 67-72.
- Paape, M. J., Wiggans, G. R., Bannerman, D. D., Thomas, D. L., Sanders, A. H., Contreras, A., Moroni, P., Miller, R. H. (2007) Monitoring goat and sheep milk somatic cell counts. *Small Ruminant Research*, 68 (1-2), 114-125. DOI: <https://dx.doi.org/10.1016/j.smallrumres.2006.09.014>
- Pengov, A. (2001) The Role of Coagulase-Negative Staphylococcus spp. and Associated Somatic Cell Counts in the Ovine Mammary Gland. *Journal of Dairy Science*, 84(3), 572-574. DOI: [https://dx.doi.org/10.3168/jds.S0022-0302\(01\)74509-2](https://dx.doi.org/10.3168/jds.S0022-0302(01)74509-2)
- Riggio, V., Portolano, B. (2015) Genetic selection for reduced somatic cell counts in sheep milk: A review. *Small Ruminant Research*, 126 (10), 33-42. DOI: <https://dx.doi.org/10.1016/j.smallrumres.2015.01.020>
- Souza, F. N., Blagitz, M. G., Penna, C. F. A. M., Della Libera, A.M. M. P., Heinemann, M. B., Cerqueira, M.M.O.P. (2012) Somatic cell count in small ruminants: Friend or foe? *Small Ruminant Research*, 107 (2-3), 65-75. DOI: <https://dx.doi.org/10.1016/j.smallrumres.2012.04.005>
- Tančin, V., Baranovič, Š., Uhrinčať, M., Mačuhová, L., Vršková, M., Oravcová, M. (2017a) Somatic cell count in raw ewes milk in dairy practice: frequency of distribution and possible effect on milk yield and composition. *Mljekarstvo*, 67 (4), 253-260.
- Tančin, V., Uhrinčať, M., Mačuhová, L., Baranovič, Š., Vršková, M. (2017b) Somatic cell count in milk of individual Lacaune ewes under practical conditions in Slovakia: Possible effect on milk yield and its composition. *Potravinárstvo – Slovak Journal of Food Sciences*, 11 (1), 386-390. DOI: <https://dx.doi.org/10.5219/767>

Vršková, V., Tančin, V., Kirchnerová, K., Sláma, P. (2015) Evaluation of daily milk production in Tsigai ewes by somatic cell count. *Potravinárstvo – Slovak Journal of Food Sciences*, 9 (1), 206-210.  
DOI: <https://dx.doi.org/10.5219/439>