

22. Effects of storage temperature on DCC (DeLaval direct cell counter) somatic cell count in goat milk.

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The objective of present study was to evaluate the effect of cold storage on SCC of goat milk measured with DCC. Twenty milk samples from Majorera goats were taken and somatic cell count (SCC) was measured immediately using a DCC device. Each milk sample was divided in four aliquots and allowed to storage at four different temperatures (4, 21, 36 and 45°C). During 12 hours, samples of milk were taken every hour and SCC was recorded using a DCC device. SCC was statistically lower after 1 hour of storage. In conclusion, goat milk samples can not be stored (with independence to storage temperature) for more than 1 hour for SCC with DCC device.

Keywords: DCC, Goat Milk, SCC, Cold Storage