

## 21. Relationship between milk CIE (L\*a\*b\*) colour and somatic cell count in goats

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Two hundred goat milk samples were used in the present study to determinate the relationship between milk CIE colour (L\*a\*b\*) and somatic cell count (SCC). 100 ml of samples were obtained from two hundred Majorera goats by machine milking. After that samples were measured for colour (Minolta CR-200) and for SCC (DCC, Delaval) and a stepwise regression was performed. When SCC was expressed as total cells per ml, the r square was 0.395 including in regression only the Cromax parameter, r square increased to 0.508 using in the regression L\*, a\*, b\*, and Cromax parameters. If SCC was expressed as Log SCC, r square values were lower. Samples with high SCC (more than 4 million) presented higher r square than samples with low SCC (less than 0.5 million).