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Analysis of lactic acid bacterial count and lipolytic bacterial count in raw milk

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ABSTRACT : A study was conducted at L.P.M (Unit) Faculty of Agriculture, MGCGV Chitrakoot, Satna (M.P.) to evaluate lactic acid bacterial count and lipolytic bacterial count. The objective was to find out lactic acid bacterial count and lipolytic bacterial count of raw milk. All sanitary precautions were followed to produce clean milk. The samples of raw milk were replicated ten times and tested to determine the lactic acid bacterial count/ml (LABC) (10^3), lipolytic bacterial count/ml (LBC) (10^2) of raw milk. The data obtained for the aforesaid tests were subjected to statistical analysis. The results of the statistical analysis showed that the differences in mean values of LABC/ml 10^3 and LBC/ml 10^2 in the raw milk were significant and the results of F-test were also found significant. It was, therefore, concluded the differences in these values were found to be significant indicating there by a significant effect on Lactic acid bacterial count per ml (10^3) and lipolytic bacterial count/ml (LBC) (10^2) in milk.

Key Words: Lactic acid, dairy, milk products, probiotics.