

Antibiotics residues in milk

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Description

Background:

The microbiological quality of raw milk is relatively a new subject that interest more actors of milk production in Algeria. Until now, the raw milk collected presented a high rate of microbial contamination, prejudicial for human consumption and dairy processing.

Objective:

The aim of this study is to assess the hygienic and sanitary quality of raw milk produced throughout three segments where milk is handled in Tizi Ouzou area (Algeria).

Methodology:

For this, 174 samples of raw milk were collected throughout farms, collectors and local markets and submitted for microbiological analysis.

Results:

The results of this study showed that microbial contamination of raw milk increase along the dairy chain. The mean log₁₀ of TBC at farm level was 6.73±0.25 log₁₀ CFU mL⁻¹. This value increase to reach a load of 6.81±0.19 and 7.2±1.05 log₁₀ CFU mL⁻¹ at collection centers and market points, respectively. In ...

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