UDC 637.112

A. PALIY
Kharkiv Petro Vasylenko National Technical University of Agriculture

IMPROVED METHOD OF ESTIMATION QUALITY OF COWS MILK

Milk, received for non-compliance with hygienic and sanitary conditions of production, in addition to increased bacterial contamination, has a very low level of mechanical purity. Mechanical impurities that enter in the milk during the milking, are carriers of large amounts of bacteria. As a result, life of microflora that secretes lactic acid, acidity such raw materials storage increases. The density of milk, in this case, is reduced due to the transfer of thick milk sugar into less dense of lactic acid.

Milk can colonize as microorganisms of environments so and other pathogens. The source of microorganisms is difficult to establish, it can be a proper milk and milking equipment and processing. Therefore, improving sanitary and hygienic quality of milk – multifactorial task that requires constant work on the technology and culture of production, compliance and maintenance of milking equipment.

The priority development of the domestic dairy is the development and introduction of new innovative material and technical means and technologies that provide high productivity in the dairy sector and to obtain high quality products, which is an actual problem and presents both scientific and practical interest.

For rapid and reliable prediction of milk quality was developed and tested in laboratory and production conditions under way, which is performed as follows: filtering elements [HOST 12026-76 Paper laboratory filter. Specifications] contact with the inner surface of the milking equipment and milk and microbiological parameters (CFU/cm^3) and color filter element carried his point assessment: I – flawless, II – excellent; III – good; IV – satisfactory; V – is not satisfactory. In accordance with the established point scale predict grade milk – from the receipt of its «Extra» class to determine its unsorting.

The advantages of the proposed method is that it is easy to use, provides a real opportunity to improve of milk quality by preventing its high bacterial contamination, 5-scoring estimation is simplifies forecasting of grade milk and provides the rapid obtaining of reliable data. This method involves the use of cheap drugs.