

PRACTICAL ASPECTS OF TRACKING AND MILK
QUALITY MANAGEMENT SYSTEMS.
INTRODUCTION OF MECHANISM TO MONITOR
QUALITY USING THE EXAMPLE OF MILK SMALL
PRODUCERS.

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LABORATORY OF MILK QUALITY

⇒ DairySpec determines the content of

⇒ Fat

⇒ Protein

⇒ Lactose

⇒ Total milk solids

Total skimmed milk solids

⇒ Freezing point

⇒ Urea nitrogen

SomaCount measures

⇒ Somatic cells score

Benefits:

accuracy, simultaneous analysis of one sample in two analyzers, high speed of operation, analyzed samples coding system, automatic processing and export of obtained results, urea content determination, user-friendly data storing and analysis of great amounts of data



DairySpec Combi
a combined system by
Bentley

LABORATORY RESEARCH CONDUCTION

1 Arrival of samples to the lab



3 Analyzer precision check



2 Identification of received samples according to accompanying documents



4 Preparation of milk samples for research



5 Conduction of analysis of milk samples, obtaining of research results



6 Cleaning DairySpecCombi after work completion



12 STEPS OF MILK SAMPLE SELECTION

- 1 Ensure that milk chambers are clean and well-calibrated.
- 2 Place them in vertical position.
- 3 Record the amount of milk.
- 4 Ensure that test tubes contain conservant.
- 5 Mix the collected milk.
- 6 Pour milk into the test tube.
- 7 Cover the test-tube and make sure it is covered tightly.
- 8 Identify each test-tube with a bar code, check correspondence between bar code and animal. The bar code contains herd number and control number of the cow.



- 9 Dissolve the conservant as soon as possible after the milking of each cow, inclining the test-tube several times.



NO TABLET	TABLET DISSOLVED, BUT SAMPLE IS NOT MIXED	SAMPLE STORED PROPERLY
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- 10 Reduce milk residue transfer from cow to cow by ensuring that milk chamber container is empty after each cow.
- 11 Protect samples from extreme temperatures (very hot and very cold). Store them cooled as long as possible.
- 12 Identify correctly, pack the box and send samples to the lab as soon as possible.