

DNA
DIAGNOSTIC

TBC 4

What is the
cause
for high **Total
Bacterial
Count** in Bulk
Tank Milk?

TBC 4

will give you the answer...

- **Bad cooling?**
[Pseudomonas]
- **Bad environment?**
[Enterobacteriaceae/Enterococcus]
- **Mastitis cows?**
[Streptococcus]
- **Bad silage handling?**
[Bacillus and Clostridia]

TBC 4

PCR test for the most common
bacteria causing Total Bacterial
Count in Bulk Tank milk

**Fast. Accurate.
Cost effective**

Introduction

TBC 4 identifies four main groups of bacteria in TBC (total bacterial count). The test is quantitative without the need for any bacterial culturing steps. TBC 4 testing can be conducted at any stage of the milk production process, from the farm to the milk tanker or the dairy.

Samples can be preserved to prevent bacterial growth during transportation. TBC 4 also simultaneously detects growth-inhibited microorganisms and all targeted bacteria in the milk sample. TBC 4 has a high sensitivity, is very fast, and simple to perform.

What is qPCR testing?

The quantitative polymerase chain reaction (qPCR) is a biochemical technology used to amplify a specific DNA target in a test tube. During amplification, fluorescent light is generated and monitored by the qPCR instrument. Today, qPCR is a common diagnostic technique and it is used for a wide variety of applications.

Easy and fast workflow



DNA extraction

0,5 ml samples are pelleted and directly lysed for DNA extraction



qPCR

Run qPCR program

For more info visit www.dna-diagnostic.com or contact Tel +45 87 32 30 50 · info@dna-diagnostic.com

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About us DNA Diagnostic A/S is a Danish biotech company established in 1992. DNA Diagnostic develops and manufactures qPCR test kits for rapid identification of pathogenic microorganisms. DNA Diagnostic also makes CE-IVD kits for detecting leukaemia related translocations. DNA Diagnostic is ISO 13485 certified.