

DNA  
DIAGNOSTIC

# TBC 4

For unpasturized milk

What is the  
cause  
for high **Total  
Bacterial  
Count** in  
unpasteurized  
milk?

TBC 4 for unpasturized milk  
will give you the answers in your  
problem solving process

- **Bad cooling?**  
[ Pseudomonas ]
- **Bad environment?**  
[ Enterobacteriaceae/ Enterococcus ]
- **Mastitis cows?**  
[ Streptococcus ]
- **Bad silage handling?**  
[ Bacillus/ 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](http://www.dna-diagnostic.com) or contact Tel +45 87 32 30 50 · [info@dna-diagnostic.com](mailto:info@dna-diagnostic.com)

# DNA DIAGNOSTIC

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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 leukemia related translocations. DNA Diagnostic is ISO 13485 certified.