

DNA
DIAGNOSTIC

Mastit 4

Fast detection
of mastitis
bacteria in
milk

Mastit 4

- **Fast**
Results in 3 hours
- **Easy handling**
The test consists of few steps
- **High sensitivity**
- **Cost efficient**
Low costs for both kit and hands-on time
- **From 2 to 20 mastitis bacteria**
Detected in one analysis
- **High flexibility**
Mix and match to fit your needs

MASTIT 4

Identifies the main mastitis-causing bacteria in bovine milk samples, without the need for

Introduction

Mastit 4 identifies the main mastitis causing bacteria in bovine milk samples, without the need for any bacterial culturing steps. Mastit 4 testing can be conducted at any stage of the milk production process from the farm to milk tankers, or at the dairy.

Samples can be preserved to prevent bacterial growth during transportation, allowing the shipment of samples at ambient temperature. Mastit 4 also simultaneously detects growth-inhibited microorganisms and all targeted bacteria in the milk sample. Mastit 4 qPCR method has a very high sensitivity and it is really fast and simple to perform.

What is qPCR testing?

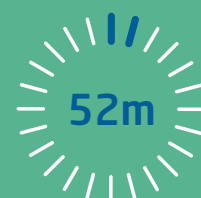
The quantitative polymerase chain reaction (qPCR) is a biochemical technology used to amplify a specific DNA target in a test tube. During amplification, fluorescent light is generated and monitored by the qPCR instrument. The appearance of fluorescent light can be correlated to the number of targets in the sample. 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



qPCR

Run Mastit 4 program

Targets \ Cat. No.	M4M	M4S	M4A	M4B	M4C	M4D	M4E	M4F	M4G	M4T	M4BD	M4BDF	M4BDFT	M4BDFF
Staphylococcus aureus			+	+	+		+		+		+	+	+	+
Streptococcus agalactiae			+	+	+		+		+		+	+	+	+
Streptococcus dysgalactiae			+			+					+	+	+	+
Streptococcus uberis			+	+							+	+	+	+
Mycoplasma bovis	+			+	+		+		+		+	+	+	+
Mycoplasma species	+				+	+					+	+	+	+
β -Lactamase gene (BlaZ gene)						+			+		+	+	+	+
Coagulase Negative Staphylococcus						+					+	+	+	+
Prototheca							+	+				+	+	+
E. coli								+				+	+	+
Klebsiella								+				+	+	+
Enterococcus/Lactococcus lactis								+				+	+	+
Pseudomonas										+			+	+
Streptococci											+		+	
Enterobacteriaceae/Enterococcus											+		+	
Bacillus/Clostridia											+		+	+
Trueperella pyogenes														+
Enterobacteriace														+
Bacillus		+												
Clostridia		+												

Each kit contains material for analysis of 384 milk samples

For more info visit www.dna-diagnostic.com or contact Tel +45 87 32 30 50 · 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 microorganism. DNA Diagnostic also makes CE-IVD kit for detection leukemia related translocations. DNA diagnostic is ISO 13485 certified.

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