



Bovine Mastitis Detection

Bovine mastitis, an inflammation of the mammary gland, is the most common disease of dairy cattle causing economic losses due to reduced yield and poor quality of milk. The etiological agents include a variety of gram-positive and gram-negative bacteria, and can be either contagious (e.g., *Staphylococcus aureus*, *Streptococcus agalactiae*, *Mycoplasma* spp.) or environmental (e.g., *Escherichiacoli*, *Enterococcus* spp., coagulase-negative *Staphylococcus*, *Streptococcus uberis*)

Features

- ✓ High Sensitivity , High Throughput
- ✓ Fast diagnostics of pathogens and maintenance of health
- ✓ Accurate and reliable results for safe farm production

Principle

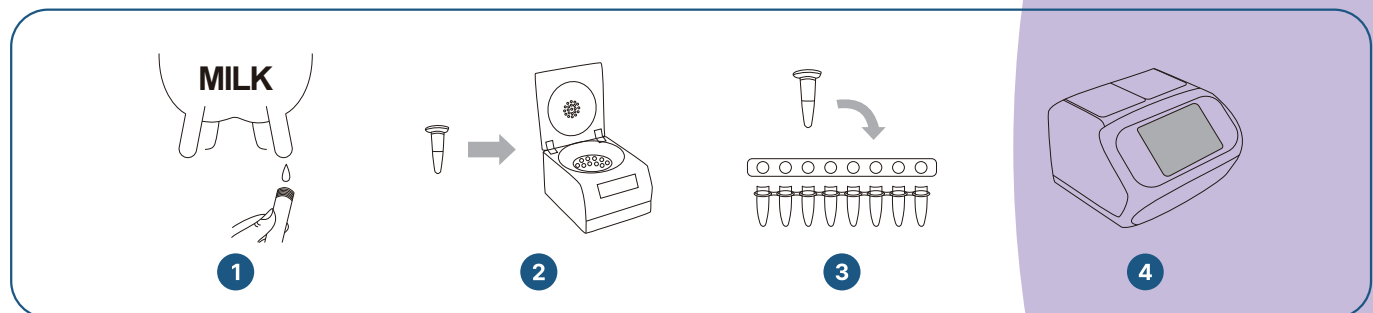
Primers and probes were designed separately for the conserved genes specific to pathogens causing Bovine Mastitis, and after condition optimization, a fluorescence quantitative PCR assay based on Taq-man probe technology was established, while an exogenous internal standard gene was designed to monitor the extraction process of the samples.

Product Information

Catalog No.	Product Name	Specimen	Kit Size
/	Bovine Mastitis Pathogens (6) Detection Kit (Fluorescence PCR)	Fresh milk	20 Test/Kit; 50 Test/Kit
A18MSP01 -AHG20E	Bovine Mastitis Pathogens (18) Detection Kit (Fluorescence PCR)		20 Test/Kit; 50 Test/Kit

**Please store and transport at -20±5°C*

Procedure



Wide range of applicable models:

It is suitable for ABI, Roche, Bio-Rad, Bioer, Hongshi, Molarray and similar multi-channel fluorescent PCR.

Equipment on sale

HG-P960 Real-time PCR system

- Automatic pop-up sample bin
- Intelligent adjustable hot cover
- 6 partition thermal cycling module
- Full adaptable software system
- Top imaging photoelectric detection



HG-P320 Real-time PCR system

- The experimental results can be exported directly.
- 4.7-inch high-definition TFT color touch screen, and embedded operating system.
- 4 channels and double 16-well blocks design, can run two different programs at the same time.
- Powerful software analysis function, which can be used for Quantitative Analysis, Melting Curve Analysis, etc.



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