

# Bacteria Identification Kit Certificate of Analysis

**Product Name:** Bacteria Identification Kit

**Catalog No.:** K5081100

**Lot No.:** A905092

**Shipping and Storage Condition:** Ship in dry ice, store at -20 °C

**Shelf Life:** 6 month from the date of receipt under proper storage conditions

## Description

Bacteria identification kit is an ultra-sensitive and universal system developed by Biochain to identify bacteria by Polymerase Chain Reaction (PCR). It detects bacteria at concentration of 0.2 or more cfu/per PCR reaction. This kit consists of universal lysis buffer, PCR mix, DNA polymerase and universal control primers for 100 25 µl volume PCR reactions. This system can detect different types of Gram negative or positive rod and coccus bacteria, such as **Escherichia Coli, Klebsiella Pneumoniae, Bacillus Cereus, Staphylococcus Aureus, Streptococcus Agalactiae**, and etc. Extraction and purification of Bacteria DNA is not needed and bacteria is directly lysed and applied in PCR to simplify the detection procedure and increase the sensitivity. Beside conventional PCR and agarose gel electrophoresis detection, this system can be incorporated into other PCR and detection systems such as Real Time PCR, fluorescence detection, multiplex PCR, and nest PCR system.

## Quality Control

20, 0.2 and 0 cfu in one tenth of lysate containing 200, 2 and 0 cfu of Escherichia Coli are applied in PCR with control primers. PCR products are detected in 20 and 0.2 cfu but not in 0 cfu.

## Components

1. 1 kit
2. Certificate of Analysis
3. User Manual
4. MSDS

**FOR RESEARCH USE ONLY**

**APPROVED BY:** \_\_\_\_\_

