

Bacteria/Fungi Gene Detection Kit

BactFinder™/FungiFinder™

Rapid sterility testing based on nucleic acid amplification test (NAT)



Enables Rapid Genetic Detection of a Wide Range of Microorganisms



Product Features

Combine the kit with our original culture media (aerobic and anaerobic) to achieve highly sensitive detection from a few CFU in around 2 to 3 days.

High sensitivity

Detects microorganisms in concentrations as low as 100 CFU/mL

Target-specific detection

Consistent detection, even in the presence of 1.0×10^6 human-derived cells

Ensures a high degree of cleanliness

Verified with almost no background microbial nucleic acids

Detects a wide range of microorganisms

Detects several hundred or more microorganisms



BactFinder™ (left), FungiFinder™ (right)

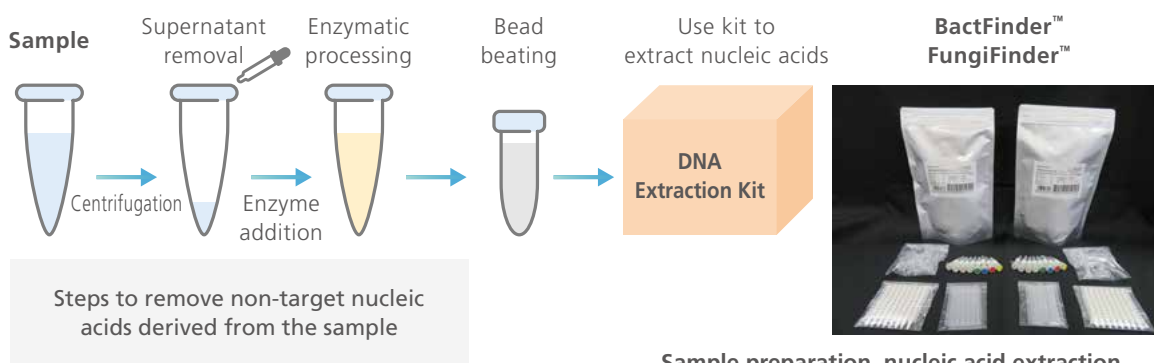
Product Information

Product Name	BactFinder™/FungiFinder™
Sample Types	Cell suspensions, culture supernatant
Intended Use	Sample screening
Sensitivity	100 CFU
Detection Time	About 4 hours
Number of Reactions per Kit	50
Storage Temperature	-30 to -15 °C



Operation Procedure

Highly sensitive and clean detection in just three steps



Sample preparation, nucleic acid extraction, and real-time PCR in around 4 hours

Highly Sensitive Detection of Microorganisms

Detection sensitivity of the kit has been demonstrated by detecting, eight out of eight times, six of the microorganisms (sterility test: growth promotion test) listed in the Japanese Pharmacopoeia (and European Pharmacopoeia 2.6.1) prepared at 100 CFU/mL.

Microorganism strain	Result
<i>Aspergillus brasiliensis</i> ATCC 16404	8/8
<i>Candida albicans</i> ATCC 10231	8/8
<i>Bacillus subtilis</i> subsp. <i>apizizenii</i> ATCC 6633	8/8
<i>Clostridium sporogenes</i> ATCC 11437	8/8
<i>Pseudomonas aeruginosa</i> ATCC 9027	8/8
<i>Staphylococcus aureus</i> ATCC 6538	8/8

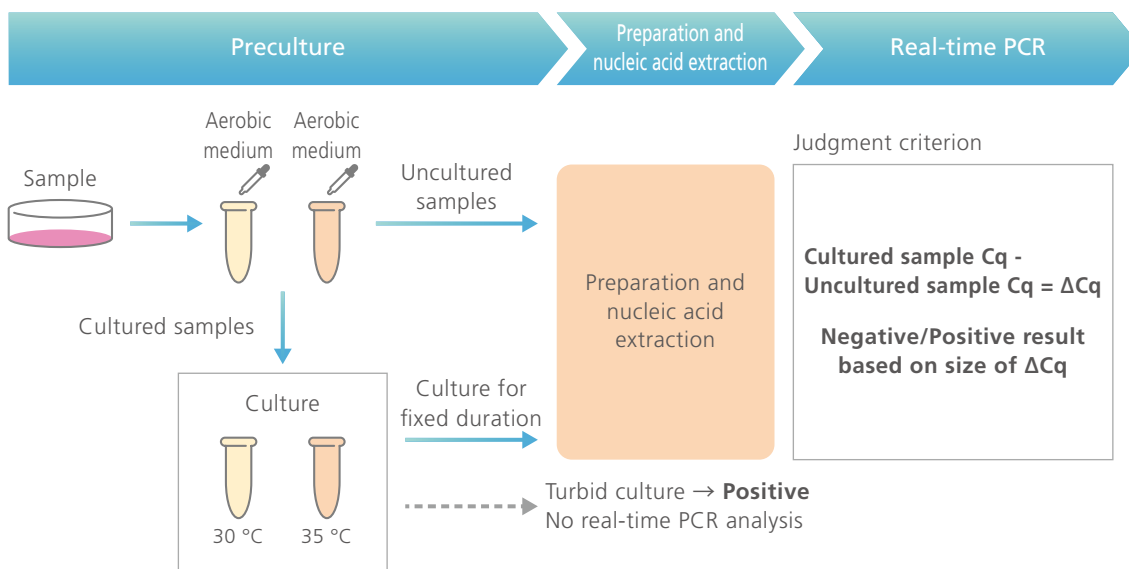
Highly Sensitive Detection from a few CFU

High Sensitivity Test Method

Combine the kit with our original culture media (aerobic and anaerobic) to achieve highly sensitive detection from a few CFU in around 2 to 3 days.

Procedure for High Sensitivity Test Method

Rapid detection of microorganisms from a few CFU based on a combination of culture turbidity and PCR



More information about this kit

<https://corp.sdc.shimadzu.co.jp/english/products/global/regenerative.html#bactfinder>



Shimadzu Diagnostics Corporation

<https://corp.sdc.shimadzu.co.jp/>