Cronobacter spp. PCR Detection Kit

Cat. No. *FPD-039*

Lot. No. (See product label)

Product Name

Cronobacter spp. PCR Detection Kit

Product Overview

Cronobacter spp. PCR Detection kit is designed for the detection of *Cronobacter* in food and environmental samples.

Antigen Description

Cronobacter, formerly known as Enterobacter sakazakii, is a ubiquitous pathogen that has been isolated from food, environmental and clinical samples. It is associated with rare but fatal infant infections linked to the consumption of reconstituted powdered infant formula.

Description

The *Cronobacter* spp. PCR Detection kit is based on the fast, sensitive, and proven technology of real-time PCR. The kit is intended for the detection of *Cronobacter* spp. in food, mainly infant formula and baby food, and environmental samples.
Due to the sensitivity and specificity of PCR, results can be obtained in as little as 16 h following a single enrichment in nonselective buffered peptone water.

Species

Cronobacter

Applications

Food safety

Warning

This test must be performed by trained personnel.
Samples and enrichment cultures must be handled as potentially infectious material and discarded according to local rules and regulations.
All potentially infectious material should be autoclaved before disposal.

Size

96 tests

Kit Components

Lysis reagent for DNA extraction
Fluorescent probes
PCR amplification mix
Positive and negative PCR controls

Materials Required but Not Supplied

A. Equipment
All usual laboratory equipment
Incubatorsorincubationroom
Scales
Stirrer/homogenizer
Vortexer
B. Supplies
Enrichment medium
Chloramphenicol
Free DNA Removal Solution
Purification Reagent
Filter sample bags

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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E-mail: info@lifeasible.com
https://www.lifeasible.com

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Powder-free gloves
Distilled sterile wate

Technical Notes

PCR detection kit is based on the fast, sensitive, and proven technology of real-time PCR.

Assay Protocol

PIF Supplement Preparation
Enrichment Protocol
Screening Protocol

Assay time

16 h

Sample Type

Food

Storage

Store dehydrated at 2-8℃ in a carefully sealed package in a dry and dark place. The PIF Supplement is stable for 6 weeks at 2-8℃ in a dark place once reconstituted.

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