

TaqMan® *Cronobacter sakazakii* Detection Kit

Simple, reliable, and rapid detection



TaqMan® Pathogen Detection Kits

- *Cronobacter sakazakii*

- *Salmonella enterica*

- *Campylobacter jejuni*

- *E. coli* O157:H7

- *Listeria monocytogenes*

- *Pseudomonas aeruginosa*

- *Staphylococcus aureus*

An Infant Formula Contaminant

Cronobacter sakazakii is a pathogen mostly associated with powdered infant formula, causing seizures, brain abscesses, developmental delay, and even death in infants with premature infants and newborns at greatest risk. It is therefore extremely important that infant formula be tested prior to release to the marketplace. It is currently unknown how many organisms will cause infection, thus a highly specific product testing method is necessary to determine the presence of *Cronobacter sakazakii*.

Real-Time PCR Delivers

The TaqMan *Cronobacter sakazakii* Detection Kit uses proven real-time PCR technology designed to provide:

- Highly selective identification of *Cronobacter sakazakii* in a wide variety of food and finished product samples
- Verified performance
- Ready-to-use convenience
- Reduced risk of contamination

Detect *E. sakazakii* Faster

A number of tests are currently available that identify *Cronobacter sakazakii* based on phenotypic and biochemical methods. However, because of isolates that may escape identification with these methods, faster, more reliable methods are needed. The TaqMan® *Cronobacter sakazakii* Detection Kit offers such an alternative.

Results in three easy steps

1. Enrich samples



2. Prepare samples



3. Run samples



Use DNA-Based Method

The TaqMan *Cronobacter sakazakii* Detection Kit uses PCR to amplify a DNA target sequence unique to *Cronobacter sakazakii*. Identification is made if, and only if, the target sequence is present. The detection process can be performed in less than two hours.

Rely on Applied Biosystems

The TaqMan *Cronobacter sakazakii* Detection Kit has been designed using Applied Biosystems sophisticated bioinformatics process to increase the assay's reliability in meeting the following criteria:

- DNA of the target organism yields a positive signal
- DNA of closely related organisms yields a negative signal
- Negative controls yield a negative signal

Validation for specific applications of the TaqMan *Cronobacter sakazakii* Detection Kit must be performed in your laboratory according to your laboratory's validation procedures.

Benefit from Unique Kit Format

The TaqMan assay's easy-to-use, closed-tube format minimizes the risk of contamination. Once samples and reagents are added, the tubes remain closed throughout the amplification and detection process. All TaqMan Pathogen Detection Kits are based on the same standardized protocol. This enables you to run any combination of these assays together in the same sample run.

Use a Complete Solution with an Expanding Menu

The TaqMan *Cronobacter sakazakii* Detection Kit is part of a fully integrated, single-vendor solution that includes Applied Biosystems real-time PCR systems, software and reagents designed to deliver superior speed, simplicity and accuracy.

TaqMan Pathogen Detection Kits are available for the following organisms:

- *Cronobacter sakazakii*¹
(p/n 4382492)
- *Salmonella enterica*²
Certified by AOAC and AFNOR
(p/n 4366104)
- *Campylobacter jejuni*²
(p/n 4366098)
- *E. coli* O157:H7²
(p/n 4366100)
- *Listeria monocytogenes*²
(p/n 4366102)
- *Pseudomonas aeruginosa*¹
(p/n 4368604)
- *Staphylococcus aureus*¹
(p/n 4368606)

¹These kits have been verified through Applied Biosystems' internal verification procedures.

²These kits have been validated as described in TaqMan® Pathogen Detection Kits—Validation Reference White Paper (stock number 116WP01-01).

For environmental (including soil, air and water), quality control, and food and finished products testing, and for research use only. Not for use in diagnostic procedures. This product has not been cleared or otherwise approved by the United States Food and Drug Administration or by any other regulatory body in any country, or under the European IVD Directive, for diagnostic or any other clinical purpose. The purchaser or user of this product agrees not to use this product for diagnostic or other clinical purposes.

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