

DNA
DIAGNOSTIC

Infant 3

Infant Formula Safety

Avoid bacterial
pathogens in
milk powder
and ingredients

Infant 3

Detects three targets in one reaction:

- *Cronobacter* spp.
- *Salmonella* spp.
- Enterobacteriaceae

Infant 3

Ensure a high level
of safety

Introduction

Infant 3 is optimal for screenings of dry infant formulas, semimanufactures and milk ingredients (e.g. milk powders, lactose, permeate, whey protein), or environmental swabs.

Infant 3 uses standard pre-enrichment of sample in buffered peptone water (optimally including vancomycin).

Infant 3 can be used with the optional **Live-Only treatment**, if only live bacteria should be detected

Infant 3 is supplied with an easy-to-use DNA extraction method. Alternatively, direct input qPCR is possible for some sample types (no DNA extraction needed).

Infant 3 runs in 96-well format, and all steps are optimized for easy handling. This makes Infant 3 optimal for high-throughput screenings.

Ensure a high level of safety in your production of infant formula, by implementing Infant 3, a time and cost-saving system for *Cronobacter* spp., *Salmonella* spp. and Enterobacteriaceae detection.

What is qPCR testing?

The quantitative polymerase chain reaction (qPCR) is a biochemical technology used to amplify a specific DNA target in a test tube. During amplification, fluorescent light is generated and monitored by the qPCR instrument. Today, qPCR is a common diagnostic technique and it is used for a wide variety of applications.

Key Requirements

- qPCR instrument with FAM, ROX, HEX and CY5 filters
- Centrifuge for 96-well plates (minimum 5000 RCF)
- *Optional* (if using Live-Only treatment): Specialized blue light source (contact DNA Diagnostic)

Easy and fast workflow



For more info visit www.dna-diagnostic.com or contact Tel +45 87 32 30 50 · info@dna-diagnostic.com

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About us DNA Diagnostic A/S is a Danish biotech company established in 1992. DNA Diagnostic develops and manufactures qPCR test kits for rapid identification of pathogenic microorganisms. DNA Diagnostic also makes CE-IVD kits for detecting leukemia related translocations. DNA Diagnostic is ISO 13485 certified.