When the health of infants is at risk, you need to know your product is safe. 3M™ Molecular Detection Assay 2 – Cronobacter delivers higher accuracy than agar and PCR-based methods for the detection of Cronobacter spp. in powdered infant formula.

Safety from the start.

The first isothermal molecular method for the detection of Cronobacter spp.

3M™ Molecular Detection Assay 2 – Cronobacter

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A simplified workflow with fewer steps and no prep helps you save time and reduce costs. Next-day results mean you can take action sooner. And as part of the 3M™ Molecular Detection System, you can be confident with information you can trust.
Get results. Make decisions. Take action.

Using a combination of advanced technologies – isothermal DNA amplification and bioluminescence detection – the 3M™ Molecular Detection Assay 2 – Cronobacter overcomes the limitations of traditional agar and PCR-based methods.

Compared to agar
- Faster results – saves up to 2-4 days
- Simple use, fewer steps – no agar media prep
- Automated interpretation – eliminate subjective analysis of colonies

Compared to PCR
- Single, non-selective enrichment step
- Increased productivity with no reagent prep and a simplified workflow

Don’t waste your effort on false-positive results. The 3M Molecular Detection Assay 2 – Cronobacter detects the latest taxonomic classification of Cronobacter species with 100% inclusivity and exclusivity.

Testing Method | Cross-reaction with Non-Cronobacter
--- | ---
Commercial chromogenic agar | Cross-reaction (False Positive)*
Commercial PCR system | Cross-reaction (False Positive)*
3M Molecular Detection Assay 2 – Cronobacter | No cross-reaction (Negative)

*3rd party testing showed false-positive result for powdered infant formula spiked with Siccibacter turicensis.

A family working together.
3M brings you a total solution with results in 24 hours to help ensure your customers’ safety.

An opportunistic pathogen.
Reports show that Cronobacter spp. can survive up to 2 years in powdered infant formula and can cause fatal illness in babies. It’s up to formula manufacturers, raw material suppliers and testing laboratories to protect this population.

Source: U.S. Food & Drug Administration Bad Bug Book 2nd Edition

Simple and streamlined workflow.

Simple Lysis

9X mL BPW ISO Enrichment 37°C / 18-24h

10 g - 300 g

Vitamins, minerals, amino acids, salts

1X g sample

3M Molecular Detection Assay 2 – Cronobacter

3M.com/foodsafety/MDA2

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