

BAX® System Q7

PCR Assay for *Cronobacter* (*E. sakazakii* spp.)

Harmful pathogens like *Cronobacter* have no place in food and nutraceutical products, especially for products like infant formula that are intended for such a vulnerable consumer base. Traditional methods to detect these harmful pathogens can be labor intensive, subjective and time consuming. The BAX® System PCR Assay for *Cronobacter* (*E. sakazakii*) overcomes these obstacles through rapid, DNA-based detection of these harmful pathogens that enable quick product release and confident decision making.



Features & Benefits:

- Clear yes-or-no results in less than 23 hours for environmental sponges
- Compatible with many other BAX System assays for efficient processing
- Carefully designed primers target specific genetic sequences possessed only by the target organisms
- Validated to perform as well or better than standard reference methods
- Minimal components and simplified workflows to maximize efficiency and ease-of-use
- Internal controls included in every test to validate results even in absence of target

Validations, Certifications and Approvals:

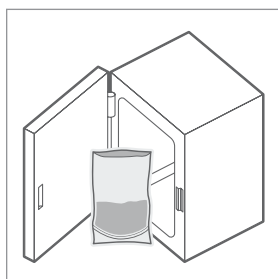
- **Health Canada**

#MLFP-27

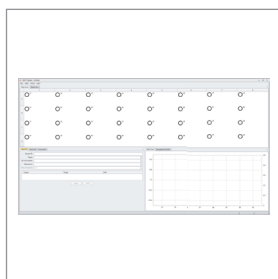
Validated for dry dairy and soy ingredients, environmentals-food production, powdered infant formula.

Product No.	Description	Quantity
KIT2001	BAX® System PCR Assay for <i>Cronobacter</i> (<i>E. sakazakii</i>)	96 tests per kit

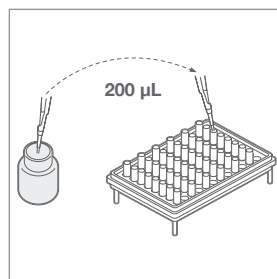
BAX System Protocol*



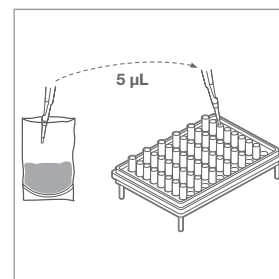
Enrich samples.



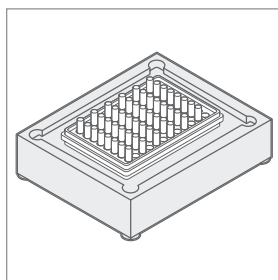
Create rack file and warm up cycler.



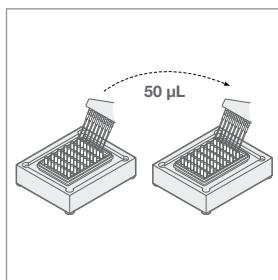
Add protease to lysis buffer bottle, mix, then dispense 200 µL of solution into cluster tubes.



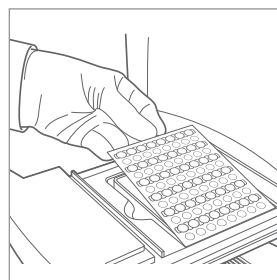
Transfer 5 µL sample enrichment to cluster tubes.



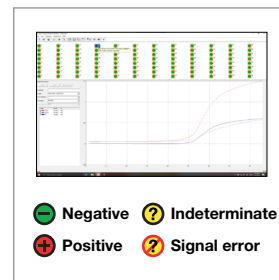
Place samples on automated thermal block for lysis and cooling.



Transfer lysates to PCR tubes held in cooling block.



Place sealed PCR tubes in cycler and immediately click "NEXT" to run program.



Review results.

*Refer to Ready Reference Guide for detailed steps.

Related Products

BAX System Real-Time PCR Assay for *Salmonella*

Uses real-time PCR technology to reduce processing time to about one hour, helping food companies make product release decisions with speed and confidence.

Hygiena® Dehydrated Culture Media (BPW)

Buffered Peptone Water is a non-selective pre-enrichment medium used to help improve the recovery of *Salmonella* and *Cronobacter*.

Product No.	Description	Quantity
KIT2006	BAX® System Real-Time PCR Assay for <i>Salmonella</i>	96 tests per kit
MED2011	Hygiena® Dehydrated Culture Media (BPW)	96 tests per kit