



NQAC

Nestlé Quality Assurance Center  
Dublin

# Technical Datasheet

**Analysis Name:** Detection of *Cronobacter* spp.

**Method Number:** ISO-22964:2017

**Scope of Application:** Products intended for human consumption and for the feeding of animals, and environmental samples in the area of food production and handling.

**Description:** This method is a qualitative cultural screening and confirmation to detect *Cronobacter*. The sample is enriched in a non-selective broth to increase the level of target organisms present in the sample enrichment. A portion of the sample enrichment is transferred into a selective enrichment broth. The selective enrichment is then cultured on a selective, chromogenic agar medium. Typical colonies (considered as presumptive *Cronobacter* strains) are subsequently confirmed by MALDI-TOF identification.

**Sample Weight Required:** 10g, 20g, 50g, 100g, 3 x 100g, swab

**Method Reference:** ISO-22964:2017

**Analytical Platform:** Cultural Method

**Special Information:** Maximum pooled weight = 100g

Samples that screen as typical/presumptive on the selective agar will automatically undergo MALDI-TOF confirmation/identification.

| Analyte Reported             | Unit of Measure | Limit of Detection               | Expression of Results       |
|------------------------------|-----------------|----------------------------------|-----------------------------|
| Cronobacter<br>Final         | Per 10 g or ml  | 0.599 – 1.521 in<br>10g samples  | Not Detected                |
|                              | Per 20 g or ml  |                                  | Not Detected<br>(Confirmed) |
|                              | Per 50 g or ml  | 0.315 – 0.873 in<br>100g samples |                             |
|                              | Per 100 g or ml |                                  |                             |
| Per 300 g or ml (for 3x100g) |                 |                                  |                             |
|                              | Per swab        |                                  |                             |