



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 Final	Per 10 g or ml	0.599 – 1.521 in 10g samples	Absent
	Per 20 g or ml		
	Per 50 g or ml	0.315 – 0.873 in 100g samples	Absent (Confirmed)
Per 100 g or ml			
Per 300 g or ml (for 3x100g)		Present	
	Per swab		