

ISO 22964:2017-04 (E)

Microbiology of the food chain - Horizontal method for the detection of Cronobacter spp.

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Abbreviated terms	2
5	Principle	2
5.1	Non-selective pre-enrichment in BPW	2
5.2	Enrichment in a selective medium (CSB)	2
5.3	Plating out and identification on chromogenic agar (CCI agar)	2
5.4	Confirmation	2
6	Culture media and reagents	2
7	Equipment and consumables	2
8	Sampling	3
9	Preparation of test sample	3
10	Procedure (as shown in Annex A)	3
10.1	Test portion	3
10.2	Pre-enrichment	4
10.3	Enrichment	4
10.4	Isolation of presumptive Cronobacter spp	4
10.5	Confirmation	4
10.5.1	General	4
10.5.2	Purification of colonies	5
10.5.3	Biochemical confirmation	5
10.6	Interpretation of biochemical results	6
11	Expression of results	6
12	Performance characteristics of the method	7
12.1	Interlaboratory study	7
12.2	Sensitivity	7
12.3	Specificity	7
12.4	LOD50	7
13	Test report	7
Annex A (normative)	Diagram of the test procedure	8
Annex B (normative)	Composition, preparation and performance testing of culture media and reagents	9

Annex C (informative) Distinction of Cronobacter spp. from other genera	17
Annex D (informative) Method validation studies and performance characteristics	19
Bibliography	22