



## TECHNICAL DATA SHEET

**DESCRIPTION** CHROMOGENIC CRONOBACTER ISOLATION AGAR, 90MM PLATES  
**SGL PRODUCT CODE** 8131

Chromogenic selective medium for the isolation and presumptive identification of *Cronobacter* species including *sakazakii* (formerly *Enterobacter sakazakii*) as recommended by ISO 22964.

### FORMULATION

Typical product composition\*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of casein	7.0 g
Yeast extract	3.0 g
Sodium chloride	5.0 g
5-Bromo-4-chloro-3-indolyl- $\alpha$ -D-glucopyranoside	0.15 g
Sodium desoxycholate	0.25 g
Ammonium iron (III) citrate	1.0 g
Sodium thiosulphate	1.0 g
Agar	15.0 g
Purified water	1000 ml

\*Product may be adjusted and/or supplemented to meet performance criteria

### QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Clear, slightly opaque straw to tan coloured gel
pH at 20-25°C	7.3 $\pm$ 0.2

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 20-25°C for 5 days	No growth detected
Incubation at 35-37°C for 5 days	No growth detected
Incubation at 42-45°C for 5 days	No growth detected

GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Cronobacter sakazakii</i> ATCC 12868 NMT 100 CFU inoculum	$\geq$ 50% recovery compared to control, blue to blue-green colonies at 42-45°C incubation after 20-28 hours
<i>Enterobacter aerogenes</i> NCTC 10006 NMT 100 CFU inoculum	Variable growth, colourless to purple colonies at 35-37°C incubation after 20-28 hours
<i>Bacillus cereus</i> ATCC 11778 NCTC 10320 NMT 100 CFU inoculum	Variable growth, colourless to purple colonies at 35-37°C incubation after 20-28 hours
<i>Staphylococcus aureus</i> ATCC 25923 NCTC 12981 NMT 100 CFU inoculum	Variable growth, colourless to purple colonies at 35-37°C incubation after 20-28 hours

NMT = Not more than

NLT = Not less than

CFU = Colony forming units

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Additional specification testing may be performed as requested by the customer.

Manufactured in compliance with ISO 9001 (Ref No FM37824) and tested in accordance with ISO 11133 by a UKAS (ISO 17025) accredited laboratory (Ref No. 4356).