



## TECHNICAL DATA SHEET

**DESCRIPTION** BAIRD PARKER AGAR, 90MM PLATES  
**SGL PRODUCT CODE** 8038

Baird Parker medium is a selective medium for the isolation and detection of *Staphylococcus aureus* which is identified by the formation of a clear halo surrounding the colonies. The medium is suitable for food and animal feed & other sample types and complies with the specifications in EN ISO 6888, FDA-BAM, APHA and ISO 11133.

### FORMULATION

Typical product composition\*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of casein	10.0 g
Meat extract	5.0 g
Yeast extract	1.0 g
Sodium pyruvate	10.0 g
Glycine	12.0 g
Lithium chloride	5.0 g
20% Egg yolk tellurite emulsion (2.05 g/L potassium tellurite)	50 ml
Agar	17.0 g
Purified water	1000 ml

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

### QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Opaque, pale yellow coloured gel
pH at 20-25°C	6.8 ± 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>Staphylococcus aureus</i> ATCC 6538 NCTC 10788 NMT 100 CFU inoculum	≥50% CFU recovery compared to control, black/grey colonies with clear halo at 35-37°C incubation after not more than 1 day
<i>Staphylococcus aureus</i> ATCC 25923 NCTC 12981 NMT 100 CFU inoculum	≥50% CFU recovery compared to control, black/grey colonies with clear halo at 35-37°C incubation after not more than 1 day
<i>Escherichia coli</i> ATCC 8739 NCTC 12923 NCIMB 8545 NLT 1000 CFU inoculum	Total inhibition compared to control at 35-37°C incubation after not more than 1 day
<i>Escherichia coli</i> ATCC 25922 NCTC 12241 NLT 1000 CFU inoculum	Total inhibition compared to control at 35-37°C incubation after not more than 1 day
<i>Staphylococcus epidermidis</i> ATCC 12228 NCTC 13360	Black/grey colonies without clear halo at 35-37°C incubation after not more than 1 day
<i>Staphylococcus saprophyticus</i> ATCC 15305 NCTC 7292	Black/grey colonies without clear halo at 35-37°C incubation after not more than 1 day

NMT = Not more than

NLT = Not less than

CFU = Colony forming units

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).