



## TECHNICAL DATA SHEET

**DESCRIPTION** ORANGE SERUM AGAR, BOTTLED  
**SGL PRODUCT CODE** 3093

A medium used for the cultivation of acid-tolerant microorganisms that cause spoilage in fruit juices and concentrates, particularly citrus fruits.

### FORMULATION

Typical product composition\*:

COMPONENT	WEIGHT / VOLUME
Orange serum	200 ml
Yeast extract	3.0 g
Enzymatic digest of casein	10.0 g
Dextrose	4.0 g
Potassium phosphate	2.5 g
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	Clear, straw-orange coloured gel
pH at 20-25°C	5.5 ± 0.2

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 22-25°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>Saccharomyces cerevisiae</i> NCPF 3178	Good growth compared to control at 30-35°C incubation after not more than 2 days, cream-coloured colonies

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).