OXALIS Diagnostics Pvt. Ltd.

Technical Data

Baird Parker Agar Base. 100 g / 500 g

Recommended foe the isolation and enumeration of coagulase positive staphylococci from food and clinical samples.

Product Presentation:

Cat No.	Product description	Pack Size
11020060100	Baird Parker Agar Base	100 Gram
11020060500	Baird Parker Agar Base	500 Gram

Principle

Baird Parker Agar was developed by Baird Parker (1962), composed of tryptone, meat extract (equivalent to beef extract), glycine, yeast extract, sodium pyruvate, lithium chloride and agar. Tryptone, meat extract and yeast extract provide nitrogen, carbon, sulphur and vitamins. Glycine and sodium pyruvate protect injured cells and helps to recovery them and stimulates the growth of *Staphylococcus aureus*. Lithium chloride and potassium tellurite acts as inhibitor agent for contaminating microflora. The tellurite additive is toxic to egg yolk-clearing strains other than *S. aureus* and imparts a black color to the colonies.

Composition

Ingredients	Grams / Liter
Tryptone	10.00
Meat Extract	5.00
Yeast Extract	1.00
Glycine	12.00
Sodium Pyruvate	10.00
Lithium Chloride	5.00
Agar	20.00

Final pH (at 25°C) 6.9 ± 0.2

*Formula adjusted, standardized to suit performance parameters

Specimen Collection and Handling

Ensure that all samples are properly labeled. Follow appropriate techniques for handling samples as per established guidelines. Some samples may require special handling, such as immediate refrigeration or protection from light, follow the standard procedure. The samples must be stored and tested within the permissible time duration. After use, contaminated materials must be sterilized by autoclaving before discarding.

Directions

- ✓ Dissolve 63.00 grams in 950 ml distilled water, boil to dissolve the medium completely.
- ✓ sterilize by autoclaving at 121 °C for 15 min, cool it to 42-45 °C.
- ✓ After cooling to 45- 50°C, add 50 mL of Egg Yolk Tellurite Supplement and 3 ml sterile 3.5% Potassium Tellurite solution or 50 ml Egg Yolk Tellurite Emulsion.
- ✓ Mix thoroughly before dispensing.

FACTORY & OFFICE
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Storage and Stability

- ✓ Store Dehydrated culture media in cool, dry place at 10°C-30°C away from direct light.
- ✓ Store prepared medium at 2°C-8°C. Avoid freezing and overheating. Use before expiry date on the label. Once opened keep powdered medium closed to avoid hydration.

Quality Control

Dehydrated Appearance: Beige colored, homogeneous, free flowing powder
Prepared Appearance: Light yellowish colored gel forms in Petridishes.
Growth Promotion Test: Growth is observed after an incubation at 35°C±2°C for 48 hours under anaerobic condition.

Cultural Response :

Organism	Type Culture	Growth	Colour of the colony	Incubation Temperature	Incubation Period
Proteus mirabilis	ATCC 25933	Good	Brown Black	35°C -37°C	18 Hours
Staphylococcus aureus	ATCC 6538	Good	Gray black shiny	35°C -37°C	18 Hours
Escherichia coli	ATCC 8739	Good	Brown Black	35°C -37°C	18 Hours

Interpretation of Results

- ✓ Examination of plates for growth after completion of incubation period.
- ✓

Warranty

- ✓ This product is designed to perform as described on the label and package insert. The manufacturer disclaims any implied warranty of use and sale for any other purpose.

Disposal

Disposal of infectious material and material that comes in to contact with clinical sample must be decontaminated and dispose of by autoclaving or incineration or established laboratory procedures.
User must be ensure safe disposal of used or unusable preparation of the products.

Reference

- ✓ Atlas, R. M. (2005). *Handbook of media for environmental microbiology*. CRC press.
- ✓ *Difco Manual* (1998). 11th Edition. Difco Laboratories., Division of Becton Dickinson and

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