BT-SPEC-0184

Distribution: Central File

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OXOID QUALITY ASSURANCE

PRODUCT SPECIFICATION

VOGEL-JOHNSON AGAR (OXOID) CM0641

Formula

Tryptone	grams per litre	10.0
Yeast extract		5.0
Mannitol		10.0
Dipotassium phosphate		5.0
Lithium chloride		5.0
Glycine		10.0
Phenol red		0.025
Agar		16.0

Directions

Suspend 61 grams in 1 litre of distilled water and bring gently to the boil to dissolve completely. Sterilize by autoclaving at 121°C for 15 minutes. Cool to 50°C and add 5.7ml of sterile 3.5% potassium tellurite solution (SR0030) (equivalent to 20ml of 1% potassium tellurite).

Physical Characteristics

Straw/pink, free flowing powder
Colour on reconstitution - orange
Moisture level less than 7%
pH - 7.2 ± 0.2 at 25°C
Clarity - clear
Gel Strength - firm comparable to 16.0g/litre Agar

Bacteriological Tests using Optimum Inoculum Dilution

Control Media : Tryptone Soya Agar

Aerobic incubation in Tryptone Soya Broth CM0129 at 30-35°C for 24 hours and subculture onto Vogel-Johnson Agar CM0641 using diminishing sweep technique

Reactions after incubation at 30-35°C for 48 hours

Medium is challenged with 10-100 colony forming units

Staphylococcus aureus	ATCC® 25923	0.5-2mm black colonies and yellow zones
Staphylococcus aureus	ATCC® 6538	0.5-2mm black colonies and yellow zones
Staphylococcus aureus	ATCC® 9144	0.5-2mm black colonies and yellow zones
S*taphylococcus epidermidis*	ATCC® 14990	No growth or pinpoint to 0.5mm black colonies, no zones

A satisfactory result is represented by recovery of positive strains with a positive diagnostic reaction.

Medium is challenged with 1E+04 to 1E+06 colony forming units

Escherichia coli	ATCC® 8739	No growth
Pseudomonas aeruginosa	ATCC® 9027	No growth
Salmonella abony	NCTC 6017	No growth

Equivalent results are obtained after incubation at 30-35^{o}C for 24-48 hours.

Negative strains are inhibited or shall produce colonies with a negative diagnostic reaction (ie without yellow zones)