TECHNICAL SHEET

B1189	**KUNDRAT AGAR**

Formula

Ingredients :	**gms/lit.**
Meat peptone	7.80
Casein peptone	7.80
Yeast extract	2.80
Sodium chloride	3.00
Dextrose	1.00
Starch	4.00
Gelatin	4.00
Bromocresol purple	0.016
Agar	10.00

Final pH (at 25°C) : 6.8±0.2

Directions :

Suspend 40.41 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and pour into sterile Petri plates.

Principle :

The test is carried out using a Ampoule of Bacillus stearothermophilus as test microorganisms. It is also used for detection of antimicrobial residues in meat and organ samples; used together with spore suspensions of Bacillus subtilis (BGA) as test organism.Presence of chemotherapeutic agents is indicated by the formation of inhibition halos or zones around the disc with the sample. The test is performed in the form of an agar diffusion test. Any inhibitors present produce inhibition zones devoid of bacterial growth surrounding the applied samples. With further incubation, the test organism ferments glucose present in the medium to form acid, that causes bromocresol purple to change its colour to yellow. Only the inhibition zone still retains the original violet colour of the indicators.

QC Tests – (I)Dehydrated Medium	
Colour :	Cream to yellow
Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium	
pH (post autoclaving/heating) :	6.8 ± 0.2
Colour (post autoclaving/heating) :	Light purple
Clarity (post autoclaving/heating) :	Clear to slightly opalescent gel
(III)Q.C. Test Microbiological	

Cultural characteristics observed after an incubation at 65°C for 18-24 hours

MICROORGANISM (ATCC)	GROWTH
Bacillus stearothermophilus(7953)	good-luxuriant

Precautions :	1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.
Limitations :	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.
Use:	It is used for the routine qualitative detection of residues from antibiotics and otherchemotherapeutical agents in animal-derived food
Storage:	Dehydrated medium- below 30°C Prepared medium– Between 2 to 8°C.
Packing :	500 gm bottle

Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1189	40.41g/l	12.373 L	6.8 ± 0.2	Nil	121^0C/15 min.

Refer disclaimer overleaf

Rev: December 2020

Disclaimer:

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