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TECHNICAL SHEET

BW1129	**WILLIS AND HOBBS MEDIUM BASE**
Formula	
Ingredients:	**gms/lit.**
Peptic digest of animal tissue	10.00
Meat extract	10.00
Sodium chloride	5.00
Lactose	12.00
Neutral red	0.032
Agar	10.00

Final pH (at 25°C): 7.0 ± 0.2

Directions :

Suspend 23.51 grams in 420 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 50-55°C and aseptically add 15 ml Egg Yolk Emulsion (BF003), 60 ml sterile skimmed milk* and rehydrated contents of one vial of Willis and Hobbs Supplement (BF139). Mix well and pour into sterile Petri plates.

* 10% solution is prepared from skim milk powder and sterilized separately by autoclaving at 15 lbs pressure (121°C) for 5 minutes.

Principle :

Peptic digest of animal tissue and meat extract in the medium provide nitrogenous source and other growth factors. Sodium chloride maintains the osmotic balance of the medium. Lactose is the energy and the carbon source. Species of Clostridium like C.perfringens and C.botulinum produce an opalescent zone around the colony in egg yolk containing media.

QC Tests – (I)Dehydrated Medium			
	Colour :	Pale yellow to pink	
	Appearance :	Homogeneous Free Flowing powder	
(II)Rehydrated medium			
	pH (post autoclaving/heating) :	7.0 ± 0.2	
	Colour (post autoclaving/heating) :	Pinkish red	
	Clarity (post autoclaving/heating) :	Opaque	
(III)Q.C. Test Microbiological			
	Cultural characteristics observed after 18 –48 hrs at 35-37°C with added Egg Yolk Emulsion (BF003), sterile skimmed milk solution and Willis and Hobb's supplement (BF139)		
	MICROORGANISM (ATCC)	GROWTH	LECITHINASE
	Clostridium botulinum(25763)	luxuriant	positive reaction, opaque zone around the colony
	Clostridium perfringens(12919)	luxuriant	positive reaction, opaque zone around the colony

Refer disclaimer Overleaf

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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 :	Recommended by BIS for isolation and identification of Clostridium from 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
BW1129	47.03 g/l	10.63L	7.0 ± 0.2	Egg Yolk Emulsion (BF003), sterile skimmed milk solution and Willisand Hobb's supplement (BF139)	121^0C / 15 minutes

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