B207	INDOLE NITRATE MEDIUM (TRYPTONE NITRATE MEDIUM)
Formula	
Ingredients :	**gms/lit.**
Casein enzymic hydrolysate	20.00
Disodium phosphate	2.00
Dextrose	1.00
Potassium nitrate	1.00
Agar	1.00
Final pH (at 25°C) : 7.2 ± 0.2	
Directions :	
Suspend 25 gms in 1000 ml distilled water. Boil to dissolve the medium completely. Dispense in test tubes. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.	
Principle :	
Casein enzymic hydrolysate contains tryptophan, which is attacked by certain microorganisms, resulting in the production of indole. Potassium nitrate acts as the substrate for determining nitrate reduction by microorganisms. Disodium phosphate acts as a buffer.	

QC Tests – (I)Dehydrated Medium				
	Colour :	Cream to yellow		
	Appearance :	Homogeneous Free Flowing powder		
(II)Rehydrated medium				
	pH (post autoclaving/heating) :	7.2 ± 0.2		
	Colour (post autoclaving/heating) :	Light amber		
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent		
(III)Q.C. Test Microbiological				
	Cultural characteristics observed after 18- 48 hrs at 35-37°C.			
	MICROORGANISM (ATCC)	GROWTH	INDOLE	NITRATE REDUCTION
	Clostridium sporogenes (11437)	Luxuriant	--	--
	Clostridium perfringens (12924)	Luxuriant	--	+
	Clostridium sordelli (9714)	Luxuriant	+	-
	Escherichia coli (25922)	Luxuriant	Not applicable	+
	Staphylococcus aureus (25923)	Luxuriant	--	+
	Klebsiella pneumoniae (13883)	Luxuriant	Not applicable	+
	Bacteroides ovatus ATCC(8483)	Luxuriant	--	--
	Bacteroides corrodens(23834)	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 :	For identification of microorganisms by means of nitrate reduction and indole production.
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
B207	25.0 g/l	20.0 L	7.2 ± 0.2	Nil	121^{0}C/15 min.

Refer disclaimer Overleaf

Disclaimer:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.
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