B1438	DRBC(DICHLORAN ROSE BENGALCHLORAMPHENICOL) AGAR BASE
Formula	
Ingredients:	**gms/lit.**
Peptic digest of animal tissue	5.00
D-Glucose	10.00
Potassium dihydrogen phosphate	1.00
Magnesium sulphate	0.50
Rose bengal	0.025
Dichloran	0.002
Agar	15.00
Final pH (at 25°C) : 5.6 ± 0.2	

Directions :

Suspend 15.5 grams in 500 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°C and aseptically add sterile reconstituted contents of 1 vial of Chloramphenicol Selective Supplement (BF004). Mix well and pour into sterile petri plates.

Principle :

Peptic digest of animal tissue provides nitrogen, vitamins and minerals. Dextrose is a carbohydrate source. Phosphate buffers the medium. Magnesium sulfate provides divalent cations and sulfate. Dichloran is an antifungal agent, added to the medium to reduce colony diameters of spreading fungi. Rose Bengal exhibits an improved inhibitory activity at pH 5.6.

QC Tests – (I)Dehydrated Medium		
	Colour :	Light pink
	Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium		
	pH (post autoclaving/heating) :	5.6 ± 0.2
	Colour (post autoclaving/heating) :	Pink
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent
(III)Q.C. Test Microbiological		
	Cultural characteristics observed after upto 5 days at 25 ±2°C.	

	MICROORGANISM (ATCC)	GROWTH
	Mucor racemosus (42647)	Luxuriant
	Saccharomyces cerevisiae (9763)	Luxuriant
	Escherichia coli (25922)	Inhibited
	Candida albicans(10231)	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.
	2. This medium should not be exposed to direct light as rose bengal undergoes photo-degradation leading to formation of toxic chemicals for fungi.
Use :	For selective isolation and enumeration of yeasts and molds associated with food spoilage. Recommended by ISO 21527-1
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
B1438	31.0 g/l	16.129 L	5.6 ± 0.2	Chloramphenicol Selective supplement (BF004)	121^0C / 15 minutes