B519	ORANGE SERUM AGAR	
Formula		
Ingredients :	**gms/lit.**	
Casein enzymic hydrolysate	10.00	
Yeast extract	3.00	
Dextrose	4.00	
Dipotassium phosphate	2.50	
Orange serum(solids from 200ml)	9.00	
Agar	17.00	

Final pH (at 25°C): 5.5 ± 0.2

Directions :

Suspend 45.5 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. AVOID OVERHEATING. Mix well and pour into sterile Petri plates.

Principle :

Casein enzymic hydrolysate provides essential nitrogenous nutrients while dextrose serves as the fermentable carbohydrate and energy source. Yeast extract supplies B- complex vitamins, which stimulate growth. Orange serum provides an optimal environment for the recovery of acid tolerant microorganisms from citrus fruit products.

QC Tests – (I)Dehydrated Medium		
	Colour :	Cream to yellow
	Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium		
	pH (post autoclaving/heating) :	5.5 ± 0.2
	Colour (post autoclaving/heating) :	Medium to dark amber
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent
(III)Q.C. Test Microbiological		
	Cultural characteristics observed after an incubation at 35-37°C for 40-48 hours.(Fungal species are incubated at 25-30°C)	
	MICROORGANISM (ATCC)	GROWTH
	Aspergillus niger (16404)	Good to luxuriant
	Lactobacillus fermentum (9338)	Good to luxuriant
	Lactobacillus acidophilus (4356)	Good to luxuriant
	Leuconostoc mesenteroides (12291)	Good to luxuriant
	Saccharomyces cerevisiae (9763)	Good to luxuriant
	Candida albicans (10231)	Good to 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. Orange Serum Agar is not a differential medium. Perform microscopic examination and biochemical tests to identify isolates to genus and species if necessary.
	3. If Orange Serum Agar is divided into aliquots and allowed to solidify, remelt only once. Repeated heating may produce a softer medium.
Use :	For cultivation and enumeration of microorganisms associated with spoilage of citrus products. Cultivation of Lactobacilli and other aciduric organisms and pathogenic fungi.
Storage :	Dehydrated medium and prepared medium– Between 2 to 8°C.
Packing :	500 gm. bottle

Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B519	45.5 g/l	10.98 L	5.5 ± 0.2	Nil	121^0C/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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