

Orange Serum Agar

Medium used for isolation and detection of different acid tolerant pathogen germs in fruit juices

Formula in grams per liter:

Casein Peptone	10,00	Orange Extract	5,00
Glucose	4,00	Monopotassium Phosphate	3,00
Yeast Extract	3,00	Bacteriological Agar	15,00

Final pH: 5,5 ± 0,2 at 25 °C

Preparation:

Suspend 40 grams of the medium in one liter of distilled water. Heat with frequent agitation to boiling, and keep boiling for one minute. Dispense into appropriate containers. Sterilize in autoclave at 118° C (15 lbs.psi) for 15 minutes. **DO NOT OVERHEAT**

Uses:

This culture medium as contains orange serum, is specially indicated for the existing micro flora in citric juices, as for example Bacillus, Lactobacillus, moulds, etc. It's a medium specially indicated for production control in Fruit Juice Industry.

Microbiological Tests:

Microorganisms	Growth
<i>Aspergillus niger</i> ATCC 16404	Satisfactory
<i>Lactobacillus fermentum</i> ATCC 9338	Satisfactory
<i>Saccharomyces cerevisiae</i> ATCC 9763	Satisfactory

