

PRODUCT INFORMATION



Orange Serum Agar

Cat. No. O15-101

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DESCRIPTION

Orange Serum Agar is used for the cultivation of aciduric microorganisms, particularly those associated with the spoilage of citrus products. The low pH of fruit juices makes citrus fruit products susceptible to spoilage by yeasts, molds, *Lactobacillus* and *Leuconostoc*.

PREPARATION

Mix 50 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring to dissolve completely. Autoclave at 121°C for 15 minutes.

Formula* per Liter:

Orange Serum Extract	13.5g
Yeast Extract	3.0g
Dipotassium Phosphate	2.5g
Tryptone.....	10.0g
Dextrose	4.0g
Agar	17.0g

Final pH: 5.5 ± 0.2 at 25°C

* Grams per liter may be adjusted or formula supplemented to obtain desired performance.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing and tan to beige.
2. Visually the prepared medium is trace to slightly hazy and light to yellowish-beige.
3. Expected cultural response after 2 - 5 days at 30°C.

Organism:

Aspergillus brasiliensis ATCC 16404
Lactobacillus fermentum ATCC® 9338
Leuconostoc mesenteroides ATCC® 23386
Saccharomyces cerevisiae ATCC® 9763

Result:

Growth
Growth
Growth
Growth

STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 30°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing or if the color has changed from the original tan to beige color.