



## Actero™ Orange Serum Agar Product Information

Catalogue No.	Description
FCM-099	Actero™ Orange Serum Agar (500 G)
FCM-098	Actero™ Orange Serum Agar (2 KG)
FCM-097	Actero™ Orange Serum Agar (10 KG)

### INTENDED USE

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*.

### Formula\* per Liter:

Orange Serum.....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.

### PREPARATION

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

### 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	Result
<i>Aspergillus niger</i> ATCC® 16404	Growth
<i>Lactobacillus fermentum</i> ATCC® 9338	Growth
<i>Leuconostoc mesenteroides</i> ATCC® 23386	Growth
<i>Saccharomyces cerevisiae</i> ATCC® 9763	Growth

### Storage Instructions:

Store the sealed bottle containing the dehydrated medium at 2 to 8°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.

