

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 the 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.

TERMS AND CONDITIONS:

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FOR FURTHER INFORMATION, PLEASE CONTACT:

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QUALITY CONTROL SPECIFICATIONS:

1. The powder is homogeneous, free-flowing, and tan to beige.
2. Visually the prepared medium is traced 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.