

PRODUCT INFORMATION



Orange Serum Broth

Cat. No. O15-106

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DESCRIPTION

Orange Serum Broth is used for cultivating aciduric citrus microorganisms, particularly those associated with the spoilage of citrus products.

PREPARATION

Mix 19.5 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 Mixture.....	7.0g
Yeast Extract	3.0g
Dipotassium Phosphate.....	2.5g
Tryptone.....	3.0g
Dextrose	4.0g

Final pH: 5.6 ± 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 pale to very light orange.
2. Visually the prepared medium is clear to slightly opalescent and light to medium amber.
3. Expected cultural response after 40 - 48 hours 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 light orange color.