

PRODUCT INFORMATION

GC Agar

Cat. No. G07-100



ALPHA[™]
BIOSCIENCES

Date of Issue:
10/01/17

DESCRIPTION

GC Agar is used with various additives for the isolation and cultivation of pathogenic microorganisms such as *Neisseria gonorrhoeae*, *Haemophilus influenza* and *N. meningitidis*.

PREPARATION

Double Strength: Prepare double strength medium by mixing 7.2g of agar medium in 100 mL of purified water until evenly dispersed. Heat with repeated stirring to dissolve completely. Distribute and autoclave at 121° C for 15 minutes. Cool to 45-50°C. Add supplement and 100 mL of sterile 2% hemoglobin solution.

Formula* per Liter:

Enzymatic Digest of Casein	7.5g
Peptic Digest of Animal Tissue	7.5g
Sodium Chloride	5.0g
Corn Starch.....	1.0g
Monopotassium Phosphate	1.0g
Dipotassium Phosphate.....	4.0g
Agar.....	10.0g

Final pH: 7.2 ± 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 light beige.
2. Visually the prepared medium is hazy, light amber, opaque and brown.
3. Expected cultural response after 18-24 hours at 35°C.

Organism:

Haemophilus influenzae ATCC 10211
Neisseria gonorrhoeae ATCC 9793
Neisseria gonorrhoeae ATCC 43070
Neisseria meningitidis ATCC 13090
Streptococcus agalactiae ATCC 13813
Streptococcus pneumoniae ATCC 6305

Result:

Growth
Growth
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 color.