

PRODUCT INFORMATION

GC Agar

Cat. No. G07-100

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*.

FORMULA (g/L)

Enzymatic Digest of Casein	7.5 g	Monopotassium Phosphate	1.0 g
Meat Peptone	7.5 g	Dipotassium Phosphate	4.0 g
Sodium Chloride	5.0 g	Agar	10.0 g
Corn Starch	1.0 g		

Final pH: 7.2 ± 0.2 at 25 °C

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

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 VX and 100 mL of sterile 2% hemoglobin solution.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, 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	RESULT
* <i>Haemophilus influenzae</i> ATCC 10211	Good Growth
* <i>Neisseria gonorrhoeae</i> ATCC 9793	Good Growth
* <i>Neisseria gonorrhoeae</i> ATCC 43070	Good Growth
* <i>Neisseria meningitidis</i> ATCC 13090	Good Growth
<i>Streptococcus agalactiae</i> ATCC 13813	Good Growth
<i>Streptococcus pneumoniae</i> ATCC 6305	Good Growth

*Incubated under 5% CO₂

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.