

GIOLITTI-CANTONI BROTH BASE

A selective enrichment medium for the selective cultivation of *Staphylococcus aureus*.

Dehydrated media	
Code number:	500 g: GCB20500, 5 kg: GCB25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,8 – 7,2

Direction: Suspend **27 g** in 500 ml of distilled water and heat gently to dissolve the medium completely. Sterilise by autoclaving at 121 °C for 15 minutes. Cool to 50 °C and add aseptically **30 drops (1,5 ml) of Potassium Tellurite Solution, Sterile (PTS80030)**. Mix well and dispense aseptically into sterile final containers.

Prepared media	
Bottled media bases:	100 ml: GCB30100, 500 ml: GCB30500
Tubed media:	150 x 15 mm: GCB40010 (10 ml)
Colour:	Yellowish
pH (25 °C):	6,9 – 7,1

Direction: Supplement the bottled media bases according to the direction of the dehydrated media and dispense aseptically into sterile final containers. Media in tubes are ready to use.

FORMULA in g/l

Peptones	19,8
Mannitol	20,0
Sodium chloride	5,0
Sodium pyruvate	3,0
Glycine	1,2
Lithium chloride	5,0

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled and tubed media protected from light at room temperature. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 48 h
<i>Staphylococcus aureus</i>	ATCC 29213	Good, colour change to black	
<i>Escherichia coli</i>	ATCC 25922	Inhibited	

References: Giolitti and Cantoni (1966) J. Appl. Bact. 29: 395.

In vitro diagnostic – for professional use only!