

Distribution: Central File

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**OXOID QUALITY ASSURANCE
PRODUCT SPECIFICATION**

GIOLITTI-CANTONI BROTH**CM0523****Typical Formula***

Tryptone	grams per litre	10.0
'Lab-Lemco' powder		5.0
Yeast extract		5.0
Lithium chloride		5.0
Mannitol		20.0
Sodium chloride		5.0
Glycine		1.2
Sodium pyruvate		3.0

* adjusted as required to meet performance standards

Directions

Suspend 54.2g in 1 litre of distilled water. Heat until dissolved completely. Mix well and distribute 19ml volumes into final containers. Sterilize by autoclaving at 121°C for 15 minutes. Cool rapidly and aseptically add 0.2ml of 1% v/v potassium tellurite solution.**

To comply with ISO 6888-3:2003, sorbitan mono-oleate should also be added prior to autoclaving to give a final concentration of 0.1% v/v.

** A 1% v/v potassium tellurite solution may be obtained by adding 1ml Potassium Tellurite 3.5% Solution (SR0030) to 2.5ml of sterile distilled water.

Physical Characteristics

Straw, free-flowing powder

Colour on reconstitution - straw 2-3

Moisture level - less than 7%

pH 6.9 ± 0.2 at 25°C

Clarity - clear

Microbiological Tests Using Optimum Inoculum Dilution

Control Medium: Tryptone Soya Agar

Reactions after incubation at 37°C for 24-48 hours

Tested with the addition of 0.01% v/v potassium tellurite

Medium is challenged with 10-100 colony-forming units

Staphylococcus aureus ATCC® 6358P Black medium and black button at base

Staphylococcus aureus ATCC® 25923 Black medium and black button at base

A satisfactory result is represented by visible growth and blackening of the medium.

Medium is challenged with 1E+04 to 1E+06 colony-forming units

<i>Escherichia coli</i>	ATCC® 25922	No growth or growth, no blackening
<i>Escherichia coli</i>	ATCC® 8739	No growth or growth, no blackening

Negative strains are inhibited or shall produce growth with no blackening.

After inoculation, seal tubes with 2cm of molten sterile paraffin wax (melting temperature 42-44°C).