

CM 20764 - GLUCOSE CITRATE BROTH BASE

INTENDED USE

For cultivation of fastidious microorganisms.

PRODUCT SUMMARY AND EXPLANATION

Glucose Citrate Broth Base is used for cultivation of fastidious organisms. The medium is modification of the medium developed by Koser.

COMPOSITION

Ingredients	Gms / Ltr
Beef extract	5.000
Peptic digest of animal tissue	10.000
Sodium chloride	5.000
Glucose	1.000
Sodium citrate	2.000

PRINCIPLE

Peptidigestof animal tissue and beef extract provides nitrogenous compounds and other essential growth nutrients. Glucose provides the energy sources and sodium citrate as the carbon source.

INSTRUCTIONFORUSE

Dissolve 23 grams in 1000 ml distilled water.
Heat if necessary to dissolve the medium completely.
Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.
Dispense as desired.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder : Yellow coloured homogeneous free flowing powder.
Appearance of prepared medium : Light yellow coloured, clear solution without any precipitate.
pH (at 25°C) : 7.6±0.2

INTERPRETATION

Cultural characteristics observed after an incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period
Enterobacter aerogenes	13048	50-100	Luxuriant	35-37°C	18-24 Hours



Escherichia coli	25922	50-100	Luxuriant	35-37°C	18-24 Hours
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PACKAGING:

In pack size of 500 gm bottles.

STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers between 25-30°C and protect from direct sunlight. Under optimal conditions, the medium has a shelf life of 4 years. When the container is opened for the first time, note the time and date on the label space provided on the container. After the desired amount of medium has been taken out replace the cap tightly to protect from hydration.

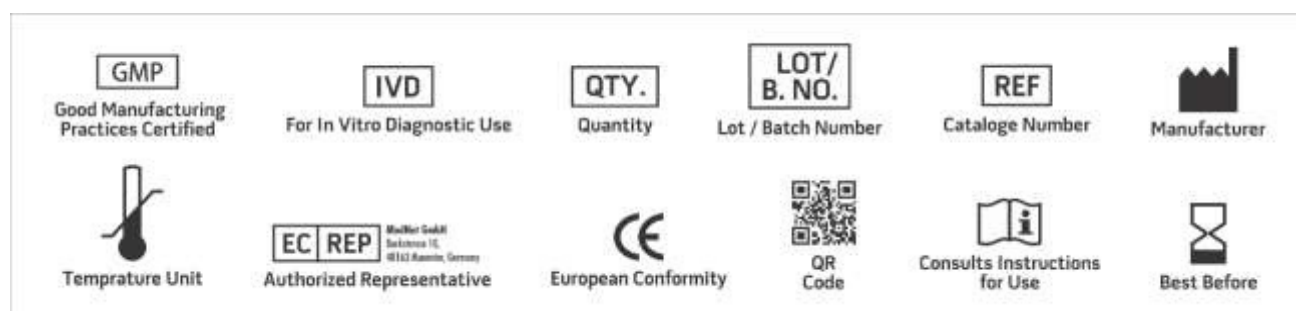
Product Deterioration: Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

DISPOSAL

After use, prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

REFERENCES

1. Koser., 1923, J. Bact., 8:493



NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

*For Lab Use Only

