

TM 1155 – CVTR MEDIUM (VIRAL TRANSPORT MEDIUM W/ CHARCOAL)

INTENDED USE

For transportation of viral specimens at ambient temperature.

PRODUCT SUMMARY AND EXPLANATION

CVTR MEDIUM (VIRAL TRANSPORT MEDIUM W/CHARCOAL) is used for transportation of viral specimens at ambient temperature. The sole purpose of this medium is to maintain the viability of organisms during the time from collection to examination of the specimen. Transport medium with Charcoal is a modification of Amies Transport Medium with charcoal.

COMPOSITION

Ingredients	Gms / Ltr
Charcoal	10.000
Agar	4.000
Sodium Chloride	4.000
Dipotassium phosphate	1.750
Potassium Chloride	0.250

PRINCIPLE

Sodium chloride and potassium chloride are used to maintain osmotic balance of medium. Charcoal is used to neutralize any toxic compound(s) present in the specimen. Dipotassium phosphate, Potassium chloride provides the buffering capacity in the medium. Agar is a gelling agent.

INSTRUCTION FOR USE

- Dissolve 20 gms in 1000 ml distilled water.
- Gently heat to boiling with gentle swirling to dissolve the medium is completely.
- Dispense the media in tubes.
- Sterilize by autoclaving at 15 psi (121⁰C) for 15 minutes. Place the tubes to cool in upright position.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder : Grey to Black homogeneous free flowing powder.
Appearance of prepared medium : Black colour, opaque gel
pH (at 25°C) : 7.3 ± 0.2



INTERPRETATION

Cultural characteristics observed after inoculating (10^2 - 10^3 cfu/ml). Placing test microorganisms swabs in the medium and incubate at room temperature for about 18 -24 hours. After 24 hours, remove the swabs from the tubes, streak on prepared chocolate agar plates for appropriate incubation period.

Microorganism	ATCC	Growth
<i>Bacteroides fragilis</i>	25285	Good
<i>Haemophilus influenzae</i>	10211	Good
<i>Neisseria gonorrhoea</i>	43069	Good
<i>Streptococcus pyrogenes</i>	19615	Good

PACKAGING:

In pack size of 500 gm bottles.

STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers below 25°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.

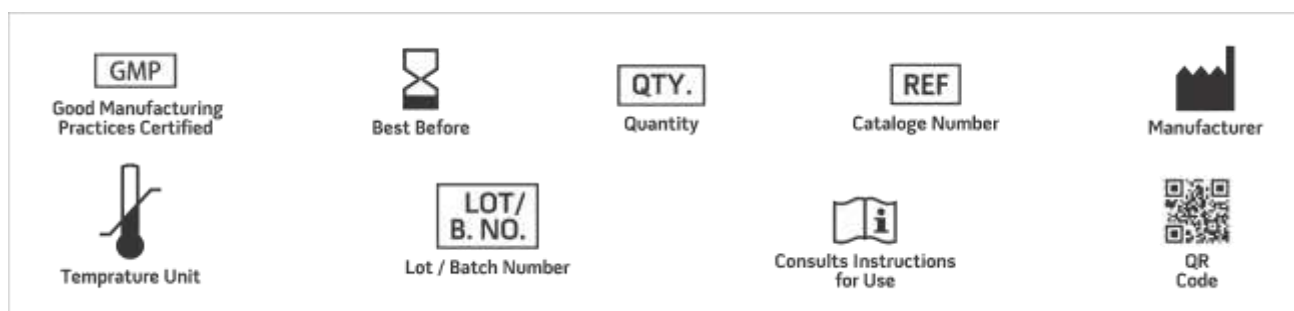
Product Deterioration: Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

DISPOSAL

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

REFERENCES

- Amies, C.R. 1967. Can. J. Public Health. 58: 296-300



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

***For Lab Use Only**
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