

CM 21495 – RAZI'S MEDIUM (SEMISOLID REINFORCED CLOSTRIDIAL MEDIUM W/ ASPARTATE)

INTENDED USE

For maintenance of *Campylobacter* species.

PRODUCT SUMMARY AND EXPLANATION

Campylobacter species are among the most important human bacterial enteric pathogens. The organism has a widespread reservoir in the animal kingdom. Razi's Medium is Semisolid Reinforced Clostridial Medium with Aspartate, which has been recommended by APHA for storage and maintenance of *Campylobacter* cultures.

COMPOSITION

Ingredients	Gms / Ltr
Yeast extract	3.000
Beef extract	10.000
Peptic digest of animal tissue	10.000
Starch, soluble	1.000
Dextrose	5.000
Cysteine hydrochloride	0.500
Sodium chloride	5.000
Sodium acetate	3.000
Potassium aspartate	2.000
Agar	0.500

PRINCIPLE

This medium consists of Beef extract, peptic digest of animal tissue and potassium aspartate are sources of carbon and nitrogen. Dextrose is source of fermentable carbohydrates. Sodium chloride maintains osmotic equilibrium. Yeast extract provides nutritious factors required for growth of the culture.

INSTRUCTION FOR USE

Dissolve 40 grams in 1000 ml distilled water.

Heat to boiling to dissolve the medium completely.

Distribute half full in screw capped tubes and sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder	: Cream to yellow homogeneous free flowing powder.
Appearance of prepared medium	: Light yellow coloured clear solution.
pH (at 25°C)	: 6.8 ± 0.2



INTERPRETATION

Cultural characteristics observed in aerobic/ micro aerobic atmosphere after incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period
Campylobacter coli	33559	50-100	Luxuriant	35-37°C	18-24 Hours
Campylobacter jejuni	29428	50-100	Luxuriant	35-37°C	18-24 Hours
Campylobacter lariidis	35222	50-100	Luxuriant	35-37°C	18-24 Hours

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. Razi M. H., and Park R. W. A., 1979, J. Appl. Bacteriol., 47:X.
2. Speck M. L., (Ed.), 1984, Compendium of Methods for the Microbiological Examination of Foods, 2nd Ed., APHA, Washington, D.C.

 Good Manufacturing Practices Certified	 For In Vitro Diagnostic Use	 Quantity	 Lot / Batch Number	 Catalogue Number	 Manufacturer
 Temperature Unit	 Authorized Representative MedNet GmbH Buckstrasse 10 48143 Münster, Germany	 European Conformity	 QR Code	 Consults Instructions for Use	 Best Before

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

*For Lab Use Only

