CM 20682 – EXTRACT AGAR (FDA AGAR)

INTENDED USE

General purpose medium for routine testing of disinfectants and antiseptics.

PRODUCT SUMMARY AND EXPLANATION

FDAAgar is used for general cultivation of bacteria as well as for routine testing of antiseptics and disinfectants. FDA Agar is also known as AATCC bacteriostasis agar where AATCC stands for American Association of Textile Chemists and Colourists. FDA agar is the formulation specified by Food and Drug Administration, U.S.A. and also by Association of Analytical Chemists (AOAC). It is used for detecting antibacterial activity of fabrics. FDA agar is a relatively simple formulation.

COMPOSITION

Ingredients	Gms / Ltr
Peptone	10.000
Beef extract	5.000
Sodium chloride	5.000
Agar	15.000

PRINCIPLE

Themedium consists of Beef extract and Peptone which provide the nutrients required for microbial growth. Sodium chloride maintains osmotic equilibrium. Agar act as a solidifying agent.

INSTRUCTION FOR USE

Dissolve 35.0gramsin 1000 ml purified / distilled water.
Heat to boiling to dissolve the medium completely.
Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes. Cool to 45-50°C.
Mix well and pour into sterile Petri plates.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder	: Off white to yellow coloured homogeneous free flowing powder.
Appearance of prepared medium	: Amber coloured clear to slightly opalescent gel forms in Petri plates.
pH (at 25°C)	: 7.3 ± 0.2

INTERPRETATION

Culturalcharacteristics observed with added 5-10% sterile defibrinated blood after incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Recovery	Incubation Temperature	Incubation Period

Escherichia coli	25922	50-100	Good-luxuriant	>=50%	35-37°C	18-24 Hours
Staphylococcus aureus subsp. aureus	25923	50-100	Good-luxuriant	>=50%	35-37°C	18-24 Hours
Salmonella Typhi	6539	50-100	Good-luxuriant	>=50%	25-30°C	18-24 Hours

PACKAGING:

Inpacksizeof500 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.

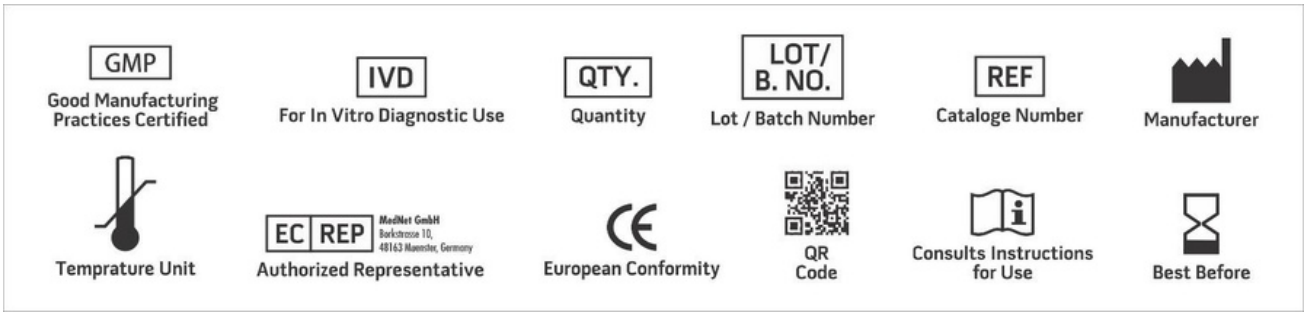
Product Deterioration: Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

DISPOSAL

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

REFERENCES

1.Isenberg, H.D. Clinical Microbiology Procedures Handbook 2nd Edition.
2. Jorgensen, J.H., Pfaller, M.A., Carroll, K.C., Funke, G., Landry, M.L., Richter, S.S and Warnock., D.W. (2015) Manual of Clinical Microbiology, 11th Edition. Vol. 1.
3. Technical Manual of AATCC, Vol. 61, 1985-86, AATCC, Research Triangle Park, N.C.
4. Williams (Ed.), 1984, Official Methods of Analysis of the AOAC, 14th ed. AOAC, Washington, D.C



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

*For LabUse Only