

BD BBL™ Prepared Plated Media
Neomycin Blood agar, Modified

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INTENDED USE

This prepared medium is for the growth of microorganisms.

SUMMARY AND EXPLANATION

Prepared plated media are for the isolation and growth of microorganisms from specimens by streak plate procedures.¹

PRINCIPLES OF THE PROCEDURE

A wide variety of media have been formulated to satisfy the various nutritional requirements of microorganisms. The functions of many media ingredients have been elucidated.²

REAGENTS

BBL™ Neomycin Blood Agar, Modified

Approximate Formula* Per Liter Purified Water

Pancreatic Digest of Casein	14.5 g
Papaic Digest of Soybean Meal	5.0 g
Sodium Chloride	5.0 g
Agar	14.0 g
Growth Factors	1.5 g
Neomycin	60.0 mg
Sheep Blood, defibrinated	5%

*Adjusted and/or supplemented as required to meet performance criteria.

Warnings and Precautions: For *in vitro* Diagnostic Use

If excessive moisture is observed, invert the bottom over an off-set lid and allow to air dry in order to prevent formation of a seal between the top and bottom of the plate during incubation.

Storage Instructions: On receipt, store plates in the dark at 2 – 8 °C. Avoid freezing and overheating. Do not open until ready to use. Allow the medium to warm to room temperature before inoculation. Prepared plates may be inoculated up to their expiration date and incubated for recommended incubation times.

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

SPECIMEN COLLECTION AND HANDLING

Refer to appropriate references for details of specimen collection and handling procedures.^{1,3}

Observe established precautions against microbiological hazards throughout all procedures. All specimens should be handled according to CDC-NIH recommendations for any potentially infectious human serum, blood or other body fluids. Prior to discarding, sterilize specimen containers and other contaminated materials by autoclaving.

PROCEDURE

Material Provided: Neomycin Blood Agar, Modified.

Materials Required But Not Provided: Ancillary culture media, reagents, quality control organisms and laboratory equipment as required.

Test Procedure: Observe aseptic techniques. Inoculate the medium as soon as possible after the specimen arrives at the laboratory. Incubate the plates in an inverted position (agar-side up) under conditions of temperature, humidity, time and atmosphere appropriate for the organisms being cultured.

User Quality Control:

1. Examine plates for signs of deterioration.
2. Check performance by inoculating a representative sample of plates with pure cultures of stable control organisms that give known, desired reactions. The following test strains are recommended:

TEST STRAIN	EXPECTED RESULTS
<i>Streptococcus pyogenes</i> ATCC™ 19615	Fair to heavy growth with zones of beta hemolysis
<i>Streptococcus agalactiae</i> ATCC 12386	Fair to heavy growth with zones of beta hemolysis
<i>Staphylococcus aureus</i> ATCC 25923	Partial Inhibition (no growth to fair growth). May be beta-hemolytic
<i>Escherichia coli</i> ATCC 11775	Partial Inhibition (no growth to trace growth)

RESULTS

Isolated colonies should give results consistent with those of the quality control strains.

LIMITATIONS OF THE PROCEDURE

Consult appropriate references for detailed information and recommended procedures for the identification of isolates.^{1,4}

AVAILABILITY

Cat. No. Description

299961 **BBL™** Neomycin Blood Agar, Modified, Ctn. of 100 plates

REFERENCES

- 1 Murray et al. (ed.). 1999. Man. Clin. Microbiol., 7th ed. ASM Press, Washington, D.C.
- 2 Gerhardt et al. (ed.). 1981. Man. Meth. Gen. Microbiol. ASM, Washington, D.C.
- 3 Isenberg, et al. 1979. Cumitech 9, Coll. and Proc. Bacteriol. Spec. ASM, Washington, D.C.
- 4 Holt et al. (ed.). 1994. Bergey's, Man. Determ. Bacteriol. 9th ed. Williams & Wilkins, Baltimore.

Technical Information: In the United States, contact BD Technical Service and Support at 800-638-8663 or www.bd.com/ds.

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