INTENDED USE
Remel Nutrient Broth is a liquid medium recommended for use in qualitative procedures as a general purpose culture medium for cultivation of nonfastidious organisms.

SUMMARY AND EXPLANATION
In 1917, the American Public Health Association (APHA) published the formulation for a standardized medium for use in the examination of water, wastewater, dairy products, and various foods. This medium, which became known as Nutrient Broth, is formulated according to the recommendations of the American Public Health Association (APHA) and AOAC International (AOAC). Nutrient Broth is specified in current compendia of methods for the microbiological examination of various materials and is useful for maintenance of stock cultures and isolation of organisms in pure culture.

PRINCIPLE
Beef extract provides carbohydrates, vitamins, nitrogen compounds, and salts. Gelatin peptone supplies nutrients in the form of amino acids and peptides. When used in combination, beef extract and gelatin peptone have been found to be as nutritious as meat infusion.

REAGENTS (CLASSICAL FORMULA)*
Gelatin Peptone .......................................................... 5.0 g
Beef Extract ......................................................................... 3.0 g
Demineralized Water ...................................................... 1000.0 ml
pH 6.8 ± 0.2 @ 25°C

*Adjusted as required to meet performance standards.

PROCEDURE
1. Inoculate Nutrient Broth with the test organism.
2. Incubate in ambient air for 24-48 hours at 33-37°C.
3. Observe for growth, evidenced by turbidity in the broth.
4. Subcultures of the broth can be made to plated media for isolation and identification purposes.

QUALITY CONTROL
All lot numbers of Nutrient Broth have been tested using the following quality control organisms and have been found to be acceptable. Testing of control organisms should be performed in accordance with established laboratory quality control procedures. If aberrant quality control results are noted, patient results should not be reported.

CONTROL
\[\begin{array}{lll}
\text{Bacillus subtilis ATCC® 6633} & \text{Escherichia coli ATCC® 25922} & \text{Pseudomonas aeruginosa ATCC® 27853} \\
\text{Staphylococcus aureus ATCC® 25923} & \\
\end{array}\]

INCUBATION
\[\begin{array}{lll}
\text{Ambient, 18-24 h @ 33-37°C} & \text{Ambient, 18-24 h @ 33-37°C} & \text{Ambient, 18-24 h @ 33-37°C} \\
\text{Ambient, 18-24 h @ 33-37°C} & \\
\end{array}\]

RESULTS
\[\begin{array}{ll}
\text{Growth} & \text{Growth} \\
\text{Growth} & \\
\end{array}\]

BIBLIOGRAPHY

Refer to the front of Remel Technical Manual of Microbiological Media for General Information regarding precautions, product storage and deterioration, specimen collection, storage and transportation, materials required, quality control, and limitations.

ATCC® is a registered trademark of American Type Culture Collection.

IFU 61580, Revised March 30, 2011

Printed in U.S.A.