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PEPTONE WATER

INTENDED USE

Peptone water is recommended as a diluent for microbial enumeration purposes as described by the Food and Drug Administration and The U.S. Pharmacopeia National Formulary (USP-NF) for use in pharmaceutical and cosmetic testing and by the American Public Health Association and Environmental Protection Agency for food, dairy and water industries. Product is for laboratory use only.

PRINCIPLE

Peptone Water is a minimal nutrient media which contains peptone as a source of carbon, nitrogen, vitamins and minerals. Due to the low nutrient content of the medium, it is not suited for growth or maintenance of fastidious organisms.

PRODUCT SUMMARY

Peptone Water is useful as diluent or for making suspensions of non-fastidious microorganisms for microbial enumeration procedures.

FORMULA:

INGREDIENT PER LITER OF PURIFIED WATER	AMOUNT
T1619 1% Peptone Water	
Pancreatic Digest of Gelatin (Peptone G)	10.0 g
T1627 0.1% Peptone Water	
Pancreatic Digest of Gelatin (Peptone G)	1.0 g

pH: 7.0 ± 0.2

PRECAUTIONS:

These products are for Laboratory Use Only and when inoculated should be handled with caution by adequately trained personnel under the supervision of a microbiologist. Media showing signs of deterioration or contamination must not be used. Sterilize biohazard waster before disposal.

STORAGE:

This media may be stored at 2-30°C. Adequate storage prolongs the life and quality of this product. Freezing and overheating may cause severe deterioration of the medium. Media should not be used beyond expiration date. The expiration dates apply to unopened tubes or bottles adequately stored.

TEST PROCEDURE:

Media is for use as a diluting or rinsing fluid in the preparation of suspensions for enumeration procedures. Refer to appropriate references for specific procedures using Peptone (Pancreatic Digest of Gelatin).

RESULTS:

Refer to appropriate standards or references for test results.

QUALITY CONTROL:

It is recommended the laboratory check the contents for sterility and deterioration before use.
Refer to appropriate reference, regulation or standard for required/recommended quality control testing.

Appearance: Brilliant to clear, pale to light yellow, may have light precipitate

Microorganism Response:

ATCC 25922 *Escherichia coli* Growth in 18-24 hours at 30-35°C
ATCC 25923 *Staphylococcus aureus* Growth in 18-24 hours at 30-35°C

REFERENCES:

Acumedia Product Information
U.S. Food and Drug Administration, *Bacteriological Analytical Manual*, Silver Springs, MD