FLUID A (0.1% PEPTONE)

INTENDED USE

Remel Fluid A (0.1% Peptone) is a liquid medium recommended for use in qualitative procedures as a diluting and rinsing fluid for sterility

SUMMARY AND EXPLANATION

Peptone, introduced in 1914, has become a standard component for the preparation of microbiological media. Peptone supplies minimal nutritional requirements and has no antibacterial or antifungal properties. It is recommended as a diluent by the Association of Official Analytical Chemists (AOAC) and the American Public Health Association (APHA).¹⁻³ Fluid A is recommended by the United States Pharmacopeial Convention for use as a diluting and rinsing fluid in direct transfer or membrane filtration techniques for testing a sample with inherent bacteriostatic and fungistatic properties or one containing a preservative.

PRINCIPLE

The peptone supplies nitrogenous requirements necessary for growth. Peptone is soluble in water and provides a clear solution necessary for observation of microbial growth.

REAGENTS (CLASSICAL FORMULA)*

Peptone......1.0 g Demineralized Water......1000.0 ml

PRECAUTIONS

This product is For Laboratory Use only. It is not intended for use in the diagnosis of disease or other conditions.

PROCEDURE

1. Consult appropriate references for the recommended procedure for sample dilution.

QUALITY CONTROL

Each lot number of Fluid A (0.1% Peptone) has been tested for microbial content and aesthetic value only, and has been found to be acceptable. To ensure efficacy of the product, functional testing should be performed by the user in accordance with established laboratory quality control procedures. If aberrant quality control results are noted, sample results should not be reported.

BIBLIOGRAPHY

- Food and Drug Administration. 1995. Bacteriological Analytical Manual. 8th ed. AOAC International, Gaithersburg, MD.
- Wehr, H.M. and J.F. Frank, 2004. Standard Methods for the Examination of Dairy Products, 17th ed. APHA, Washington, D.C.
- Downes, F.P. and K. Ito. 2001. Compendium of Methods for the Microbiological Examination of Foods. 4th ed. APHA, Washington, D.C. The United States Pharmacopeia. 2007. 31st ed. United States Pharmacopeial Convention, Rockville, MD.

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

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^{*}Adjusted as required to meet performance standards.