

This microbiological test sample is supplied as a freeze dried sample in an aseptically sealed 5 mL vial and is designed for the quantitative determination of heterotrophic bacteria based on accepted microbial methods. One hundred (100) milliliters of Phosphate Buffer solution is provided for reconstitution of the freeze dried sample.

Only individuals with bacteriological training should use this product. Disinfect any spills and sterilize containers. Though the microorganisms used for this proficiency test are non-pathogenic, aseptic technique should be used with the assumption that all samples are potentially pathogenic. Aseptic technique is also necessary to avoid cross contamination.

Freeze the sample vial upon arrival. Keep the freeze dried sample frozen until time of reconstitution. The Phosphate Buffer should be store at room temperature. Once the samples are reconstituted, testing should proceed immediately. Unused sample should be disposed in accordance with institutional and government guidelines.

1. Add approximately one (1) mL of the Phosphate Buffer solution buffer to the vial containing the lyophilized microorganisms using the sterile transfer pipettes supplied.
2. Mix well, by cycling the Phosphate Buffer solution in and out of the vial with the pipette or, replace stopper and cap and use a vortex mixer.
3. Completely transfer the contents of the vial to the Phosphate Buffer solution buffer bottle using the transfer pipette.
4. Shake the bottle to disperse the organisms. The sample is now ready for analysis.

Volume to be used depends on the method. Select sample portion that would yield an ideal count. This sample when prepared according to these instructions is in the NELAC specified range of 5-500 CFU/mL

Record the results of the analysis in CFU/mL on the Data Reporting Form.

Appropriately dispose of sample vials, liquid handling materials, and Phosphate Buffer bottles.

Note: Due to the nature of microbiological samples, to run multiple methods, it is recommended that additional samples be purchased.



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