

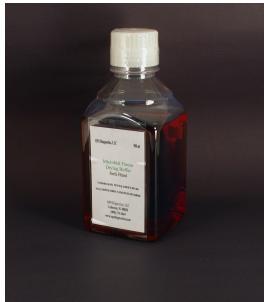
WISBIOMED

Laboratory Equipment & Reagents

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Lyoreagent Products

For accurate and optimum freeze drying of samples.



Freeze Drying Buffer

| Product Number | Description | Cost |
|----------------|---------------------------------------|-------|
| OP-MFDB 100-05 | 100 mL Microbial Freeze Drying Buffer | \$50 |
| OP-MFDB 500-06 | 500 mL Microbial Freeze Drying Buffer | \$103 |

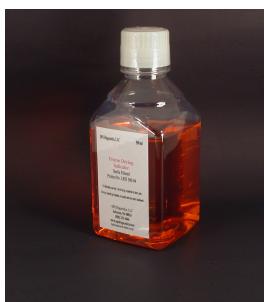
The Microbial Freeze Drying Buffer is evolved from a standard solution described in the ATCC lyophilization manual and has been improved to be **free of all animal products/proteins!** Viability of bacteria in this buffer is **over 90%**, far exceeding methods relying on sucrose and skim milk.



Lyophilization
Reagent

| Product Number | Description | Cost |
|----------------|--|------|
| OP-LR2X 100-01 | 100 mL Lyophilization Reagent (2X Concentrate) | \$37 |
| OP-LR2X 500-02 | 500 mL Lyophilization Reagent (2X Concentrate) | \$51 |

This clear solution is designed to simplify protein lyophilization. It is composed of a mixture of a matrix (caking agent) and lyoprotectant, that, when mixed, act synergistically to provide a solution with a high eutectic point, solid matrix, and excellent protein stability.



Freeze Drying
Indicator

| Product Number | Description | Cost |
|----------------|--------------------------------|------|
| OP-LRFI 100-03 | 100 mL Freeze drying indicator | \$44 |
| OP-LRFI 500-04 | 500 mL Freeze drying indicator | \$54 |

This colorimetric indicator reagent changes color during the freeze drying process giving the user a **real-time measurement of dryness**. This formulation combines the protein stabilizers with an indicator dye. It works best when used in parallel with the standard reagent in showing when freeze drying is completed. This reagent is also useful for mapping and validating freeze dryers.