



# PHOSPHATE BUFFER

## (with Magnesium Chloride)

- For in vitro use only -

Catalogue No. BP60

Our Phosphate Buffer with Magnesium Chloride is used to prepare dilutions of samples for examination of water, dairy products, foods and other materials.

Phosphate Buffer with Magnesium Chloride is recommended by the American Public Health Association (APHA), for the recovery of injured microorganisms from dairy and food samples. Potassium phosphate is added to the formula to maintain the pH and the addition of magnesium chloride aids in the recovery of organisms that may be metabolically injured.

### Formula per Litre of Medium

Potassium Phosphate Monobasic ..... 42.5 mg  
Magnesium Chloride ..... 190 mg

pH 7.2 ± 0.2

### Quality Control

After checking for correct pH, colour, depth, and sterility, the following organisms are used to determine the performance of the completed medium.

Organism	Expected Results
<i>Escherichia coli</i> ATCC 25922	Recovery

### Storage and Shelf Life

Our Phosphate Buffer with Magnesium Chloride should be stored in the upright position at 4 to 25°C. Under these conditions this medium has a shelf life of 52 weeks from the date of manufacture.

### Ordering Information

Cat#	Description	Format
BP60-100-100	Phosphate Buffer (with MgCl <sub>2</sub> ) 100-mL	100/case
BP60-1L	Phosphate Buffer (with MgCl <sub>2</sub> ) 1 Litre	12/case

### References

- American Public Health Association. Standard methods for the examination of water and wastewater. 21<sup>st</sup> ed. Washington, DC: 2005.
- Association of Official Analytical Chemists. Official methods of analysis. 18<sup>th</sup> ed. Washington, DC: 2005.
- American Public Health Association. Standard methods for the examination of dairy products. 17<sup>th</sup> ed. Washington, DC: 2004.
- APHA Technical Committee on Microbiological Methods for Foods. Compendium of methods for the microbiological examination of foods. 4<sup>th</sup> ed. Washington, DC: 2001.

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