

## Buffer Solution pH 7.0 (±0.02)

<u>Product Name</u>	<u>Product Code</u>	<u>Kit Packing</u>
Buffer solution pH 7.0 (±0.02)	ML062-500ML	500 ml

**Introduction:** Buffer Solution pH 7.0 (± 0.02) is used as a standard buffer in Molecular Biology. It is mainly used as a calibration buffer for the pH meters. A buffer solution is one which resists changes in pH when small quantities of an acid or an alkali are added to it.

**Description:** The pH of a solution is the most common routinely performed measurement in a molecular biology laboratory. As the pH of any solution affects all chemical and biochemical reactions, it is very important to have a reliable and accurate measurement of it. The pH-meters are used to measure the pH of any solution. It functions by measuring the voltage developed between two electrodes immersed in the sample and compare that value to a calibration derived from the same electrode pair and known standards. These standard buffer solutions must be accurate and reliable and are used for pH meter calibration. A properly calibrated pH meter gives more precise and accurate readings.

**Application:** Buffer Solution pH 7.0 (± 0.02) is used as a standard buffer for the calibration of pH meters. This pH buffer solution calibrates the pH meter to a pH of 7.0 at 25°C.

### Properties:

Appearance	:	Colorless solution
Clarity	:	Clear and free of particles
pH	:	7.0 ± 0.02
DNase & RNase	:	None detected
Bioburden	:	None detected
Suitability test	:	This solution has been tested and is suitable for use as standard buffer for pH meter calibration

**Storage conditions:** The Buffer solution pH 7.0 (±0.02) has to be stored at 2 - 8 °C.

### Technical Assistance

At HiMedia we pride ourselves on the quality and availability of our technical support. For any kind of technical assistance, mail at [mb@himedialabs.com](mailto:mb@himedialabs.com)

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