

Buffer Solution pH 7.0 (±0.02)

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

Introduction: Buffer Solution pH 7.0 (\pm 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 (\pm 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.

Dro	perties:
PIU	nernes

Appearance	: Colorless solution
Clarity	: Clear and free of particles
рH	$: 7.0 \pm 0.02$
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 <u>mb@himedialabs.com</u>

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