

### 10X MOPS Electrophoresis Buffer

<u>Product Name</u>	<u>Product Code</u>	<u>Kit Packing</u>
10X MOPS Electrophoresis	ML050-2X500ML ML050-4X500 ML	100 ml 500 ml

**Introduction:** 10X MOPS Electrophoresis Buffer is designed for use in electrophoresis of agarose gels containing RNA samples. This is a concentrated buffer and should be diluted to 1X before use.

**Description:** MOPS is the common name for 3-(N-morpholino)propanesulfonic acid. It is a zwitterionic buffer which was developed by Good et al. in 1966. It is structurally analogous to MES and its metal binding capacity is negligible. As the  $pK_a$  value of MOPS is 7.20 it is an excellent buffer for many biological systems at near-neutral pH. This is a buffer of low ionic strength and prepared from highly pure nuclease free MOPS. Usage of this buffer during electrophoresis saves a lot of time as it is very convenient.

**Application:** A low ionic strength buffer used for electrophoretic separation of formaldehyde denatured RNA on agarose gels.

**Composition:** 10X MOPS Electrophoresis Buffer contains MOPS, Sodium hydroxide, Sodium acetate and EDTA. The pH of the solution is adjusted to 7.

**Properties:**

Appearance	: Colorless solution
Clarity	: Clear and free of particles
pH	: 7.00 – 7.05
DNase & RNase	: None detected
Bioburden	: None detected
Suitability test	: This solution has been tested and is suitable for use

**Storage conditions:** 10X MOPS Electrophoresis Buffer has to be stored at room temperature (15 - 25 °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).