



Product Specifications

MOPS Morpholinopropanesulfonic

<u>Catalog #</u>	<u>Size</u>
IB70170	100gm

Physical Specifications

CAS#	1132-61-2
Appearance	White Crystalline Power
Molecular Formula	$C_7H_{15}NO_4S$
Molecular Weight	209.27
pKa (1X Solution @ 25°C)	7.20 ± 0.2
Purity	99.0%

Molecular Biology Specifications

Gel Analysis assay	Pass
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Recommended Use

MOPS is a zwitterionic buffer ideally suited for RNA electrophoresis in agarose gels. Having a buffering range from 6.5-7.9, MOPS works exceptionally well in formaldehyde gels at a concentration of 20nM.

To Produce 1X MOPS Solution (0.2M): Simply Add 4.18gm of MOPS to 1L of Sterilized Water.

To Produce 10X MOPS Solution (0.2M): Simply Add 41.8gm of MOPS to 1L of Sterilized Water.

Storage

Store at room temperature.

Warning

Irritant. Avoid contact with eyes, skin and mucous membranes. Avoid breathing vapors. Wash thoroughly with water after handling. See Material Safety Data Sheet for additional information.