

## 1M MES Solution

| <u>Product Name</u> | <u>Product Code</u> | <u>Kit Packing</u> |
|---------------------|---------------------|--------------------|
| 1M MES Solution     | ML101-100ML         | 100 ml             |
|                     | ML101-500ML         | 500 ml             |

**Introduction:** MES, also known as [2-(N-Morpholino) ethanesulfonic Acid], has a pKa value near physiological pH. 1M MES Solution functions as a zwitterionic buffer which was developed by Norman Good in the 1960s. It has minimal absorption in visible or UV spectral range and can be easily synthesized. Compared to other Good's buffers MES has a minimal chelating ability

**Application:** 1M MES Solution is mainly used as a biological buffer in plant cell cultures. it is also used in cell culture media, electrophoresis and several other molecular biology applications.

**Composition:** 1M MES Solution is composed of extra pure molecular biology grade MES and aseptically filtered.

### Properties:

|                  |   |
|------------------|---|
| Appearance       | : Colorless solution  |
| Clarity          | : Clear and free of particles   |
| pH               | : 6.4 - 6.6   |
| DNase            | : None detected   |
| Bioburden        | : None detected   |
| Suitability Test | : This reagent has been tested and is suitable for use in various molecular biological applications |

**Storage conditions:** 1M MES Solution has to be stored at 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).