

**Product Specification Sheet**

**Product:** 1.0 M HEPES, pH 7.2 (DEPC Treated)

**Code:** MB-062-0500

**Lot #** 14688

**Size:** 500 ml

**Physical State:** Liquid (sterile filtered)

**Protein Concentration:** Not applicable

**Buffer Composition:** This buffer consists of 1.0 M HEPES at a pH of 7.2 and was prepared using ultra pure reagents dissolved in DEPC treated pharmaceutical grade deionized water.

**Chemical Synonym:** HEPES (4-(2-Hydroxyethyl)-piperazine-1-ethanesulfonic acid.

**Molecular weight:** 238.3 g/mol

**Molecular Formula:** C<sub>8</sub>H<sub>18</sub>N<sub>2</sub>O<sub>4</sub>S

**Preservative:** None

**Application(s):** Suitable for molecular immunology, molecular biology and nucleic acid methodologies, when applicable. Visit our newly expanded web site at [www.rockland-inc.com](http://www.rockland-inc.com) for methods using this and other buffers.

**Recommended Dilution(s):** This product is a concentrated stock solution and should be diluted appropriately with molecular biology grade water or equivalent to its final working concentration.

**Storage Conditions:** Store container at room temperature (18° to 26° C). If desired, the solution may be stored at 4° C or less. Some salts may precipitate out of solution at lower temperature. Allow buffer to equilibrate to room temperature (18° to 26° C) to restore solubility of some salts. Expiration date is six (6) months from date of opening container.

**Sterilization:** This product was aseptically filtered through a Millipore 0.22-micron filter into clean, pre-sterilized containers. The product was tested on trypticase soy agar for 24 hours, 48 hours and 72 hours and was found to be negative for bacteria.

**Note:** This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information.