

**Product Name:** HEPES, 1.0M buffer soln., pH 7.0  
**Catalog Number:** J62688.AK

**CAS Number:** 7365-45-9  
**IUPAC Name:** 2-[4-(2-hydroxyethyl)piperazin-1-yl]ethane-1-sulfonic acid  
**Molecular Formula:** C<sub>8</sub>H<sub>18</sub>N<sub>2</sub>O<sub>4</sub>S  
**Molecular Weight:** 238.30  
**MDL Number:** MFCD00006158  
**InChI Key:** JKMHFZQWWAIEOD-UHFFFAOYSA-N  
**SMILES:** OCCN1CCN(CCS(O)(=O)=O)CC1  
**Synonym:** hepeslmonosodium salt, hepeslhepes monosodium saltsalt, hepes monosodiumlN 2 hydroxyethylpiperazine N' 2' ethanesulfonic acidlN 2 hydroxyethylpiperazine n' 2' ethanesulfonic acid

## Product Specification

**Appearance (Color):** Clear colorless  
**Form:** Liquid  
**Composition:** HEPES: 1 M  
**Comment:** Component is dissolved in UV treated 18.2 megohm-cm ± 1 water, followed by pH adjustment and filtered through 0.22 micron filter.  
**Composition:** Sodium Hydroxide: For pH adjustment  
**pH:** 7.0 ± 0.2

**Date Of Print:** 07/21/2025

*Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.*