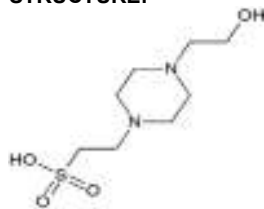


# HEPES Buffer Solution (1 M)

**ALTERNATE NAME:** N-(2-Hydroxyethyl)piperazine-N'-(2-ethanesulfonic acid)

**CATALOG #:** B3308-100 100 ml  
B3308-500 500 ml

**STRUCTURE:**



**MOLECULAR WEIGHT:** N/A

**CAS NUMBER:** 7365-45-9

**APPEARANCE:** Clear liquid

**DESCRIPTION:** HEPES (1 M, pH 7.5) is a useful zwitterionic organic buffering agent commonly used in cell culture media. HEPES is a good buffering choice for many cell culture systems because it is membrane impermeable, has limited effect on biochemical reactions, is chemically and enzymatically stable, and has very low visible and UV light absorbance. The buffering range for HEPES is pH 6.8-8.2 and can be adjusted with KOH or NaOH. It is ready to use as supplied.

**STORAGE TEMPERATURE:** +2 to +8 °C

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Acetic Acid (50 mM) (2112)  
Phosphate Buffered Saline (PBS) (2113)  
Cell Lysis Buffer (1067)  
Calcium Chloride (1 M), Sterile solution (B1010)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*