

HEPES Buffer Solution (1 M)

General information

HEPES (N-2-hydroxyethylpiperazine-N-2-ethane sulfonic acid) is a zwitterionic organic chemical buffering agent commonly used in cell culture media. It maintains the pH in a range of 6.7–8.6 and the addition of 10 to 25mM HEPES provides extra buffering capacity when cell culture requires extended periods of manipulation outside of a CO₂ incubator. HEPES is suitable for many cell culture systems because it is membrane impermeable, has limited effect on biochemical reactions, is chemically and enzymatically stable. HEPES Buffer Solution is prepared in cell culture grade water.

Product specifications

Appearance	Clear liquid
CAS No.	7365-45-9
Storage and shelf life	Store at +2 to +8°C protected from light. Once opened store at +2 to +8°C and use within 24 months.
Shipping conditions	Ambient
Working concentration	Recommended final concentration: 10 – 40 mM

Formulation

Component	Concentration mg/l
HEPES	238300

Precautions and disclaimer

This product is for research use only.

Ordering information

Catalogue number	Pack size
LTBSS04	100 ml

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