

HEPES buffer instructions

Article No.	Name	Specifications	Save
H1080	2×HEPES	100mL	2-8 ° C for 1 year
H1090	1M Hepes solution (Free Acid)	100mL/500mL	2-8 ° C for 2 years
H1095	1M Hepes solution (PH7.2-7.4)	100mL/500mL	2-8 ° C for 2 years

Product Description:

HEPES, or hydroxyethylpiperazine-N'-ethanesulfonic acid, is a hydrogen ion buffer that can control a constant pH range for a long time. The effective buffer range is pH6.8-8.2. It is often used to prepare buffer for protein extraction, buffer for cell culture, etc.

When used in cell culture, HEPES uses a final concentration of 10-25 mm, which can maintain a relatively constant PH value in open culture or cell observation. The HEPES buffers produced by Solebault are aseptically treated and can be used directly in cell culture.

Composition of ingredients:

	H1080 2×HEPES	H1090 1M Hepes solution (Free Acid)	H1095 1M Hepes solution (PH7.2-7.4)
NaCl	16g/L	8.5 g/L	8.5 g/L
KCl	0.74g /L	---	---
Na ₂ HPO ₄ ·12H ₂ O	0.27g /L	---	---
Glucose	2 g/L	---	---
Hepes	10 g/L	238.3 g/L	238.3 g/L

Related literature:

- [1] Yunjia Song,Aobo Ma,Jia Ning,et al. Loading icariin on titanium surfaces by phase-transited lysozyme priming and layer-by-layer self-assembly of hyaluronic acid/chitosan to improve surface osteogenesis ability. International journal of nanomedicine. October 2018. (IF 4.370)
- [2] Ming Li,Jiali Gao,Yan Tang,et al. Traditional Herbal Medicine-Derived Sulforaphene LFS-01 Reverses Colitis in Mice by Selectively Altering the Gut Microbiota and Promoting Intestinal Gamma-Delta T Cells. Frontiers in Spotlight. January 2018. (IF 4.259)
- [3] Han Wu,Haiyan Liu,Wenjie Liu,et al. miR-377-5p inhibits lung cancer cell proliferation, invasion, and cell cycle progression by targeting AKT1 signaling. Journal of Cellular Biochemistry. May 2019. (IF 3.448)

Note: Please refer to the official website of Solarbio for more literature on the use of this product.