

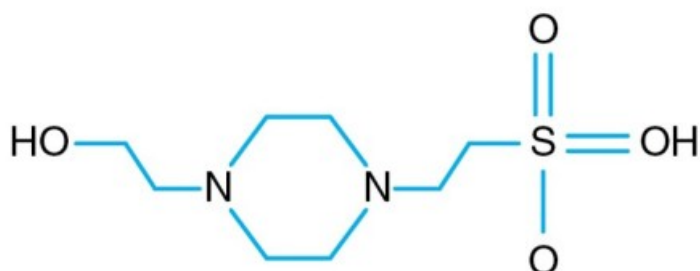


1.0 M HEPES - 100 ml

Crystallization grade HEPES buffer for formulating screens or for optimization

Product codes:

Reference: HR 2585

**Product gallery:****Product description:**

- Sterile filtered
- Formulated in Type 1+ ultrapure water: 18.2 megaohm-cm resistivity at 25°C, 5 ppb Total Organic Carbon, bacteria free (1 Bacteria (CFU/ml)), pyrogen free (0.03 Endotoxin (EU/ml)), RNase-free (0.01 ng/mL) and DNase-free (4 pg/uL)

HEPES

Synonyms: 2-[4-(2-Hydroxyethyl)-1-piperazinyl]ethanesulfonic acid or 4-(2-Hydroxyethyl)piperazine-1-ethanesulfonic acid or N-(2-Hydroxyethyl)piperazine-N'-(2-ethanesulfonic acid)

C₈H₁₈N₂O₄S

Mr 238.31

CAS Number [7365-45-9]

EC Number 230-907-9

Beilstein Registry Number 883043

Merck 14,4654

RTECS TL6809000

MDL Number MFCD00006158

Purity ? 99.5%

pKa 7.5 at 25°C



Useful pH range of HEPES buffer 6.8 - 8.2

Titrate HR2-585 to the desired pH between 6.8 - 8.2 using NaOH

HR2-585 Measured pH Range: 5.4 - 5.5 at 25°C

HR2-585 Measured Conductivity Range: 160.1 - 236.9 μ S/cm at 25°C

HR2-585 Measured Refractive Index Range: 1.37066 - 1.37131 at 20°C

HR2-785 is titrated to pH 7.0 using NaOH

HR2-785 Measured Conductivity Range: 5.8 - 7.0 mS/cm at 25°C

HR2-785 Measured Refractive Index Range: 1.37133 - 1.37176 at 20°C

HR2-729 is titrated to pH 7.5 using NaOH

HR2-729 Measured Conductivity Range: 11.6 - 13.6 mS/cm at 25°C

HR2-729 Measured Refractive Index Range: 1.37158 - 1.37290 at 20°C

Insoluble Matter 0.01% max

DNase None Detected

RNase None Detected

Protease None Detected

Heavy Metals 1 ppm max

As 5 ppm max

Cu 5 ppm max

Fe 5 ppm max

Pb 5 ppm max

SO4 0.005% max

Per maggiori informazioni visita il sito <https://hamptonresearch.com/>

Product features:

CRF - TIPO: HEPES Buffer