

Datasheet

HEPES

Powder

Product	Description	Catalogue-No.	Size
HEPES	Media Supplement	P05-01100P P05-01500P	100 g 500 g

Product description

HEPES (4-(2-Hydroxyethyl)-1-piperazine ethanesulfonic acid) is a dipolar ionic chemical buffering agent commonly used in cell culture media.

It is better at maintaining physiological pH despite changes in CO₂ concentration, when compared to NaHCO₃. HEPES is stable, chemically and enzymatically. It is membrane impermeable, has limited effects on biochemical reactions and has very low visible and UV light absorbance. Because of this advantages, HEPES is a buffering choice for many cell culture systems.

Storage conditions

Storage: 2-8°C

Stability: according to Certificate of Analysis

Chemical details

CAS-No.: 7365-35-9

Formula: C₈H₁₈N₂O₄S

Molar mass: 238.30 g/mol

Application

The typical concentration of HEPES in cell culture media is according to requirements 10 – 25 mM.

Technical support

For technical support, questions or remarks please contact your local PAN-Biotech partner or the technical department of PAN-Biotech via email (info@pan-biotech.com) or phone +49-8543-601630.

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