

## Product Datasheet

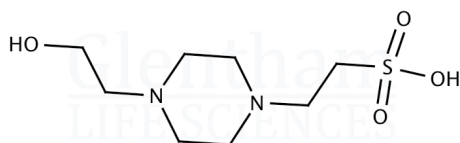
### GM5581 - HEPES, 99.5%, GlenCell™, suitable for cell culture

#### Product Details

Product Name	HEPES, 99.5%, GlenCell™, suitable for cell culture
Glentham Code	GM5581
CAS Number	7365-45-9
EINECS	230-907-9
MDL-Nummer	MFCD00006158
Related Categories	Biochemicals, Buffers, Raw Materials (IVD), PCR, Reagents for Cell Culture, Reagents for Northern and Southern Blotting

#### Structure

Molecular Weight	: 238.31
Molecular Formula	: C <sub>8</sub> H <sub>18</sub> N <sub>2</sub> O <sub>4</sub> S



#### Glentham Product Specification

Physical Description	: White crystalline powder
Solubility (25% in water)	: Clear, colourless solution
pH (5% in water)	: 5.0 - 6.5
Heavy Metals (as Pb)	: ≤ 5ppm
Residue on Ignition	: ≤ 0.1%
UV Absorption (1M in water)	: 260nm: ≤ 0.05
	: 280nm: ≤ 0.04
	: 405nm: ≤ 0.01
Loss on Drying	: ≤ 0.3%
Endotoxins	: ≤ 50EU/g
Assay (Titration)	: 99.5 - 100.5 % (dried basis)
Version	: v1.0

#### About HEPES, 99.5%, GlenCell™, suitable for cell culture

HEPES is a sulfonic acid buffering agent and one of Good's buffers. It is often used in cell culture due to its ability to maintain the pH of aqueous solutions despite changes in external carbon dioxide concentration.

#### Storage

Recommended storage temperature: +20°C.

#### Hazards and Transport

Not classified as hazardous under CLP.  
Not classified as dangerous for transport.

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