



Product Specifications

HEPES, FREE ACID

N-(2 Hydroxyethyl) Piperazine-N'-(2-Ethanesulfonic Acid)

<u>Catalog #</u>	<u>Size</u>
IB01130	50gm
IB01131	250gm
IB01132	500gm
IB01133	1Kg

Physical Specifications

CAS#	7365-45-9
Appearance	White Crystalline Powder
Molecular Formula	$C_8H_{18}N_2O_4S$
Molecular Weight	238.31
pH (0.5M solution in H ₂ O)	5.1 to 6.5
Purity	Min. 99.0
Water	Max. 0.25%
Heavy Metals	Max. 0.001%
Iron	Max. 0.0005%
Sulfates	Max. 0.05%

Molecular Biology Specifications

DNase assay	None Detected
RNase assay	None Detected
Protease assay	None Detected
Cell Culture Testing	Pass

Recommended Use

HEPES is a zwitterionic buffer ideally suited for cell culture in a range of 10 to 25mM. HEPES has a buffering range from 6.8 to 8.2. Also a component of Tris-HEPES buffer for polyacrylamide electrophoresis of proteins.

Storage

Store at room temperature. Protect from moisture

Warning

Irritant. Avoid contact with eyes, skin and mucous membranes. Avoid breathing vapors. Wash thoroughly with water after handling. See Material Safety Data Sheet for additional information.