



# StockOptions MES 05 pH 5.6, 185 ml

, Individual StockOptions MES reagents for screening, optimization and production

## Product codes:

Reference: HR 294305

**StockOptions**<sup>™</sup>  
**MES**  
**pH 5.2 - 7.1**

## Product gallery:



## Product description:

- 185 ml volume
- 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/μL)

HR2-943-\*\*

\*\* Refers to the reagent number in the StockOptions MES Buffer kit.

For example, reagent number 1 = HR2-943-01.

MES monohydrate

Synonyms: MES, 2-(N-morpholino)ethanesulfonic acid

or 4-morpholineethanesulfonic acid monohydrate

C<sub>6</sub>H<sub>13</sub>NO<sub>4</sub>S · H<sub>2</sub>O

Mr 213.25

CAS Number [145224-94-8]

EC Number 224-632-3

Beilstein Registry Number 6350956

RTECS QE3479500



MDL Number MFCD00149409  
PubChem Substance ID 24885996  
Purity >99.0%  
pKa 6.1 at 25°C

Solutions are stable at 2-8°C for months. Autoclaving is not recommended for any sulfonic acid buffer. When MES solutions are autoclaved, they turn yellow (although pH does not change measurably). The identity of the yellow breakdown product is unknown. When MES solutions are stored at room temperature, they can turn yellow within six months.

Useful pH range of MES 5.2 – 7.1

MES buffers formulated in Type 1+ ultrapure water, 18.2 megohm resistivity at 25°C, 5 ppb Total Organic Carbon, 1 Bacteria (CFU/ml), 0.03 Endotoxin (EU/ml). The pH is adjusted using Sodium hydroxide (NaOH). Buffers are sterile filtered using 0.22 micron filters under sterile conditions

Ca 0.005%  
Cd 0.0005%  
Cl 0.005%  
Co 0.0005%  
Cr 0.0005%  
Cu 0.0005%  
Fe 0.0005%  
K 0.005%  
Mg 0.0005%  
Mn 0.0005%  
Na 0.005%  
Ni 0.0005%  
Pb 0.0005%  
SO4 0.005%  
Zn 0.0005%

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

#### **Product features:**

CRF - TIPO: Individual StockOptions MES Reagents