



PIPES Free Acid

Catalog number

P4200

Supplier

United States Biological

PIPES is a biological buffer (zwitterionic) designed by Good, et al., and typically referred to as Good's buffer useful in cell culture media formulations. Selection of biological buffer systems should include the following criteria: exclusion by biological membranes, low absorption between 240-700nm, chemically stable, and stable to temperature and concentration changes. PIPES has pKa (6.76 at 25°C) near the physiological pH which makes it useful in cell culture work.

Solubility

Colorless, clear, complete

Water (KF)

≤0.5%

Absorbance (A280)

≤0.1

Absorbance (A260)

≤0.1

DNase

None Detected

RNase

None Detected

Protease

None Detected

Storage and Stability

May be stored at RT Stable for 12 months after receipt.

Formulation

White powder

Purity

≥99%

Grade

Molecular Biology Grade

Storage



RT

MW

302.37

Formula

C₈H₁₈N₂O₆S₂

Reference

Good, N. E., et al., Biochemistry 5:467 (1966)