

## Sterile 10 mM Histidine, pH 5.5 buffer

**Cat. No.:** HY-Y1968A  
**Target:** Biochemical Assay Reagents  
**Pathway:** Others  
**Storage:** -80°C

Sterile 10 mM Histidine, pH 5.5 buffer

### BIOLOGICAL ACTIVITY

#### Description

Sterile 10 mM Histidine, pH 5.5 buffer is a multi-purpose buffer solution with important applications in many fields such as protein purification, vaccine preparation, drug development, cell culture and electrophoresis. Histidine is an amino acid with good buffering capacity. Sterile 10 mM Histidine, pH 5.5 buffer The sterility and specific pH conditions make it ideal for experiments that require precise control of environmental conditions. The histidine in Sterile 10 mM Histidine, pH 5.5 buffer derivatizes photosensitizers that accumulate and increase greatly upon exposure to light. Histidine-derived photosensitizers are also the primary mediators of tryptophan photooxidation<sup>[1]</sup>.

### REFERENCES

[1]. Stroop S D, Conca D M, Lundgard R P, et al. Photosensitizers form in histidine buffer and mediate the photodegradation of a monoclonal antibody[J]. Journal of pharmaceutical sciences, 2011, 100(12): 5142-5155.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA