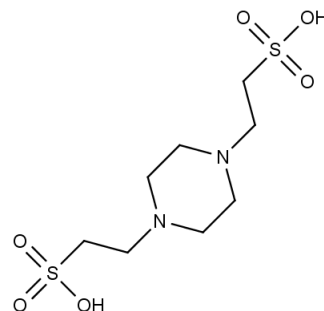




## PIPES, ultra pure

**Catalog No:** 52755  
**Lot No:** XXXXX  
**Cas No:** 5625-37-6  
**Formula:** C<sub>8</sub>H<sub>18</sub>N<sub>2</sub>O<sub>6</sub>S<sub>2</sub>  
**MW:** 302.37  
**Supplied as:** solid  
**Stability:** stable at room temperature



### Background

PIPES (piperazine-N,N'-bis(2-ethanesulfonic acid)) is a frequently used buffering agent in biochemistry. PIPES has pKa (6.76 at 25°C) near the physiological pH which makes it useful in cell culture work. PIPES has been documented minimizing lipid loss when buffering glutaraldehyde histology in plant and animal tissues. Fungal zoospore fixation for fluorescence microscopy and electron microscopy were optimized with a combination of glutaraldehyde and formaldehyde in PIPES buffer. It has a negligible capacity to bind divalent ions.

### Tests

**Appearance:**

**Assay (titr.):**

**Water:**

**Heavy metals (Pb):**

**Abs. (1 cm/0.1 M in 0.1 M NaOH)**

**A<sub>260</sub>**

**A<sub>280</sub>**

### Specifications

white powder

≥99%

≤1%

≤0.0005%

≤0.05

≤0.04

### Usage

**This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.**