



## Bis - Tris Buffer (Lot 91101c)

**B-BISTRIS250**

**01/19**

<b>IUPAC Name</b>	2-[bis(2-hydroxyethyl)amino]-2-(hydroxymethyl)propane-1,3-diol
<b>CAS Number</b>	6976-37-0
<b>Molecular formula</b>	C <sub>8</sub> H <sub>19</sub> NO <sub>5</sub>
<b>Molecular weight</b>	209.24
<b>Assay</b>	≥ 99%
<b>pKa (25°C)</b>	6.5
<b>Useful pH range</b>	5.8 – 7.2

**Storage**

Store in cool place.  
Keep container tightly closed in a dry and well-ventilated place.

**Physical properties**

Appearance  
Solubility in water (1M @ 20°C)  
Water (%)  
Melting point (°C)

**Specification**

White crystalline solid  
Clear colourless solution  
≤ 1%  
100 – 104°C

**Impurities**

Heavy metals ≤ 5ppm  
A<sub>280</sub> 0.006