

# M/S. Bimal Pharma Pvt. Ltd.

31 Years quite Young, ISO 9001 : 2015 & AEO T1 Certified Company



URS : UKAS  
Cert. No. : 110661/A/0001/UK/En

## Biological Buffers From

### ISO 9001 : 2015 Certified Company, India

- TRIS Buffer (CAS No. : 77-86-1) [TRIS (Hydroxy Methyl Amino Methane)]
- Quality : > 99.90 % ; Particle size, 15-20 Mesh, Free Flowing.
- Reagent Grade, LR / AR / ACS (Ultra Pure)
- Pharma Grade , Confirming to USP / BP/ EP / JPC
- TRIS HCL (CAS No. : 1185-53-1)  
[TRIS (Hydroxy Methyl Amino Methane) Hydrochloride]
- Packing : 25 Kgs Fibre Drum / HM-HDPE Drum, with PE Liner inside.
- Technical Details :



#### pH v/s Temp. (TRIS Buffer) (0.05 M)

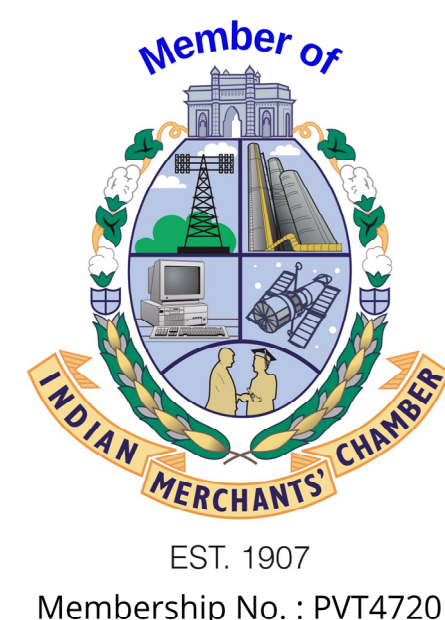
5°C	25°C	37°C	5°C	25°C	37°C
7.76	7.20	6.91	8.68	8.10	7.80
7.89	7.30	7.02	8.78	8.20	7.91
7.97	7.40	7.12	8.88	8.30	8.01
8.07	7.50	7.22	8.98	8.40	8.10
8.18	7.60	7.30	9.09	8.50	8.22
8.26	7.70	7.40	9.18	8.60	8.31
8.37	7.80	7.52	9.28	8.70	8.42
8.48	7.90	7.62	9.36	8.80	8.51
8.58	8.00	7.71	9.47	8.90	8.62

#### Solubility of TRIS Buffer

Sr. No.	Solvents	Solubility (mg / ml)
1.	Water	550
2.	Ethylene Glycol	79.10
3.	Methanol	26.00
4.	Ethanol (Anhy.)	14.60
5.	Ethanol (95%)	22.00
6.	DMF	14.00
7.	Acetone	02.00
8.	Ethyl Acetate	00.50
9.	Olive oil	00.40
10	Chloroform	00.05

## Other Biological Buffers

Sr. No.	Product Name	CAS No.	Molecular Formula
1.	Bis (2-hydroxyethyl) iminotris (hydroxymethyl) Methane <b>[BIS –TRIS]</b>	6976-37-0	C <sub>8</sub> H <sub>19</sub> NO <sub>5</sub>
2.	1,3-bis (tris[hydroxymethyl] methylamino) propane <b>[BIS-TRIS Propane]</b>	64431-96-5	C <sub>11</sub> H <sub>26</sub> N <sub>2</sub> O <sub>6</sub>
3.	3- (4- Morpholino) propane Sulfonic Acid , Sodium Salt <b>[MOPS, Sodium Salt]</b>	71119-22-7	C <sub>7</sub> H <sub>14</sub> NNaO <sub>4</sub> S
4.	3-(4-Morpholino ) Propane Sulfonic Acid <b>[MOPS]</b>	1132-61-2	C <sub>7</sub> H <sub>15</sub> NO <sub>4</sub> S
5.	N-(2-Hydroxyethyl) Piperazine-N' – (2-Ethane Sulfonic Acid ) <b>[HEPES]</b>	7365-45-9	C <sub>8</sub> H <sub>18</sub> N <sub>2</sub> O <sub>4</sub> S
6.	3-[(3-Cholamido Propyl)-Dimethyl Ammonio] Propane sulfonate <b>[CHAPS ]</b>	75621-03-3	C <sub>32</sub> H <sub>58</sub> N <sub>2</sub> O <sub>7</sub> S
7.	2-[(2-Amino-2-oxoethyl) Amino] Ethanesulfonic Acid <b>[ACES]</b>	7365-82-4	C <sub>4</sub> H <sub>10</sub> N <sub>2</sub> O <sub>4</sub> S
8.	3-(Cyclohexylamino)- Propane Sulfonic Acid <b>[CAPS]</b>	1135-40-6	C <sub>9</sub> H <sub>19</sub> O <sub>3</sub> S



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