

Buffered Saline Solutions

Catalog No.	20-030 10X, Liquid DPBS	20-031 10 X, Liquid DPBS	21-030 1X, Liquid DPBS	21-031 1X, Liquid DPBS	55-031 Powder DPBS	21-040 1X, Liquid PBS	46-013 10X, Liquid PBS	46-012 10X, Liquid TBS
Inorganic Salts	g/L	g/L	g/L	g/L	g/L	g/L	g/L	g/L
CaCl ₂ (anhydrous)	1.00	--	0.10	--	--	--	--	--
KCl	2.00	2.00	0.20	0.20	0.20	--	2.0	--
KH ₂ PO ₄	2.00	2.00	0.20	0.20	0.20	0.144	2.40	--
MgCl ₂ • 6H ₂ O	1.00	--	0.10	--	--	--	--	--
NaCl	80.00	80.00	8.00	8.00	8.00	9.00	80.00	80.00
Na ₂ HPO ₄ (anhydrous)	11.50	11.50	--	1.15	1.15	0.795	14.40	--
Na ₂ HPO ₄ • 7H ₂ O	--	--	2.1716	--	--	--	--	--
Tris Ultrapure	--	--	--	--	--	--	--	24.2
Specifications								
pH (before adjustment)	--	--	--	--	7.4 ± 0.1	--	--	--
Final pH	4.4 ± 0.3	6.5 ± 0.5	7.0 ± 0.1	7.4 ± 0.1	--	7.4 ± 0.1	7.4 ± 0.1 @ 1:10	24 - 26°C @ 1:10
Osmolality (mOsm)	276 ± 30 @ 1:10	276 ± 30 @ 1:10	285 ± 15	276 ± 10	282 ± 15	300 ± 20	--	--
Grams of powder required to prepare 1L (1X Solution)	--	--	--	--	9.55	--	--	--