

Dulbecco's Phosphate-Buffered Saline 10X (DPBS) Formulation

Catalog no.	311-410 10X, Liquid DPBS	311-415 10X, Liquid DPBS	311-420 1X, Liquid DPBS	311-421 1X, Liquid DPBS	311-425 1X, Liquid DPBS
Inorganic Salts	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
KH ₂ PO ₄	2.00	2.00	0.20	0.20	0.20
MgCl ₂ ·6H ₂ O	1.00	----	0.10	----	----
NaCl	80.00	80.00	8.00	8.00	8.00
Na ₂ HPO ₄ (anhydrous)	11.50	11.50	----	----	1.15
Na ₂ HPO ₄ ·7H ₂ O	----	----	2.1716	2.17g	----
Specifications					
pH (after buffer)	4.4 ± 0.3 @ 25°C	6.5 ± 0.5 @ 25°C	7.0 ± 0.1 @ 25°C	7.4 ± 0.1 @ 25°C	7.4 ± 0.1 @ 25°C
Osmolality (mOsm/kg)	276 ± 30 (1:10)	276 ± 30 (1:10)	276 ± 12	276 ± 10	276 ± 10

Dulbecco's Phosphate-Buffered Saline (DPBS) Formulation

Catalog no.	211-410 Powder DPBS
Inorganic Salts	g/L
CaCl ₂ (anhydrous)	----
KCl	0.20
KH ₂ PO ₄	0.20
MgCl ₂ ·6H ₂ O	----
NaCl	8.00
Na ₂ HPO ₄ (anhydrous)	1.15
Na ₂ HPO ₄ ·7H ₂ O	----
Specifications	
pH (after buffer)	NA
Osmolality (mOsm/kg)	282 ± 15
Grams of powder required to prepare 1L (1X Solution)	9.55

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