

Preparation of 0.1M Potassium Phosphate Buffer at 25°C

Desired pH	Volume of 1M K_2HPO_4 (mL)	Volume of 1M KH_2PO_4 (mL)
5.8	8.5	91.5
6.0	13.2	86.8
6.2	19.2	80.8
6.4	27.8	72.2
6.6	38.1	61.9
6.8	49.7	50.3
7.0	61.5	38.5
7.2	71.7	28.3
7.4	80.2	19.8
7.6	86.6	13.4
7.8	90.8	9.2
8.0	94.0	6.0

Dilute the combined 1M stock solution to 1 litre with distilled H_2O .

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Preparation of 0.1M Sodium Phosphate Buffer at 25°C

Desired pH	Volume of 1M Na_2HPO_4 (mL)	Volume of 1M NaH_2PO_4 (mL)
5.8	7.9	92.1
6.0	12.0	88.0
6.2	17.8	82.2
6.4	25.5	74.5
6.6	35.2	64.8
6.8	46.3	53.7
7.0	57.7	42.3
7.2	68.4	31.6
7.4	77.4	22.6
7.6	84.5	15.5
7.8	89.6	10.4
8.0	93.2	6.8

Dilute the combined 1M stock solution to 1 litre with distilled H_2O .

Fisher BioReagents

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