

Buffers

Buffers	Recipes
0.2M phosphate buffer	NaH ₂ PO ₄ , anhydrous (Sigma S-5011, wt. 120.0) Na ₂ HPO ₄ , anhydrous (Sigma S-5136, wt. 142.0) stock A: 0.2M solution of NaH ₂ PO ₄ (24g/L) stock B: 0.2M solution of Na ₂ HPO ₄ (28.4g/L) 23 ml stock A + 77 ml stock B, pH7.3
0.2M cacodylate buffer	4.28g sodium cacodylate (C ₂ H ₆ AsNaO ₂ · 3H ₂ O, EMS-12300) 100ml dist. water use 1N HCl to adjust pH to 7.2-7.4
0.1M phosphate buffer with 5% sucrose	50 ml 0.2M phosphate buffer 50 ml distilled water 5g sucrose
0.1M cacodylate buffer with 5% sucrose	50 ml 0.2M cacodylate buffer 50 ml distilled water 5g sucrose