

Tube #	Salt	Tube #	Buffer ◇	Tube #	Precipitant
1.	2.0 M Sodium chloride	1.	None	1.	10% w/v Polyethylene glycol 6,000
2.	0.5 M Sodium chloride	2.	None	2.	0.01 M Hexadecyltrimethylammonium bromide
3.	0.01 M Magnesium chloride hexahydrate				
3.	None	3.	None	3.	25% v/v Ethylene glycol
4.	None	4.	None	4.	35% v/v 1,4-Dioxane
5.	2.0 M Ammonium sulfate	5.	None	5.	5% v/v 2-Propanol
6.	None	6.	None	6.	1.0 M Imidazole pH 7.0
7.	None	7.	None	7.	10% w/v Polyethylene glycol 1,000 10% w/v Polyethylene glycol 8,000
8.	1.5 M Sodium chloride	8.	None	8.	10% v/v Ethanol
9.	None	9.	0.1 M Sodium acetate trihydrate pH 4.6	9.	2.0 M Sodium chloride
10.	0.2 M Sodium chloride	10.	0.1 M Sodium acetate trihydrate pH 4.6	10.	30% v/v (+/-)-2-Methyl-2,4-pentanediol
11.	0.01 M Cobalt(II) chloride hexahydrate	11.	0.1 M Sodium acetate trihydrate pH 4.6	11.	1.0 M 1,6-Hexanediol
12.	0.1 M Cadmium chloride hydrate	12.	0.1 M Sodium acetate trihydrate pH 4.6	12.	30% v/v Polyethylene glycol 400
13.	0.2 M Ammonium sulfate	13.	0.1 M Sodium acetate trihydrate pH 4.6	13.	30% w/v Polyethylene glycol monomethyl ether 2,000
14.	0.2 M Potassium sodium tartrate tetrahydrate	14.	0.1 M Sodium citrate tribasic dihydrate pH 5.6	14.	2.0 M Ammonium sulfate
15.	0.5 M Ammonium sulfate	15.	0.1 M Sodium citrate tribasic dihydrate pH 5.6	15.	1.0 M Lithium sulfate monohydrate
16.	0.5 M Sodium chloride	16.	0.1 M Sodium citrate tribasic dihydrate pH 5.6	16.	2% v/v Ethylene imine polymer
17.	None	17.	0.1 M Sodium citrate tribasic dihydrate pH 5.6	17.	35% v/v tert-Butanol
18.	0.01 M Iron(III) chloride hexahydrate	18.	0.1 M Sodium citrate tribasic dihydrate pH 5.6	18.	10% v/v Jeffamine® M-600®
19.	None	19.	0.1 M Sodium citrate tribasic dihydrate pH 5.6	19.	2.5 M 1,6-Hexanediol
20.	None	20.	0.1 M MES monohydrate pH 6.5	20.	1.6 M Magnesium sulfate heptahydrate
21.	0.1 M Sodium phosphate monobasic monohydrate 0.1 M Potassium phosphate monobasic	21.	0.1 M MES monohydrate pH 6.5	21.	2.0 M Sodium chloride
22.	None	22.	0.1 M MES monohydrate pH 6.5	22.	12% w/v Polyethylene glycol 20,000
23.	1.6 M Ammonium sulfate	23.	0.1 M MES monohydrate pH 6.5	23.	10% v/v 1,4-Dioxane
24.	0.05 M Cesium chloride	24.	0.1 M MES monohydrate pH 6.5	24.	30% v/v Jeffamine® M-600®
25.	0.01 M Cobalt(II) chloride hexahydrate	25.	0.1 M MES monohydrate pH 6.5	25.	1.8 M Ammonium sulfate
26.	0.2 M Ammonium sulfate	26.	0.1 M MES monohydrate pH 6.5	26.	30% w/v Polyethylene glycol monomethyl ether 5,000
27.	0.01 M Zinc sulfate heptahydrate	27.	0.1 M MES monohydrate pH 6.5	27.	25% v/v Polyethylene glycol monomethyl ether 550
28.	None	28.	None	28.	1.6 M Sodium citrate tribasic dihydrate pH 6.5
29.	0.5 M Ammonium sulfate	29.	0.1 M HEPES pH 7.5	29.	30% v/v (+/-)-2-Methyl-2,4-pentanediol
30.	None	30.	0.1 M HEPES pH 7.5	30.	10% w/v Polyethylene glycol 6,000 5% v/v (+/-)-2-Methyl-2,4-pentanediol
31.	None	31.	0.1 M HEPES pH 7.5	31.	20% v/v Jeffamine® M-600®
32.	0.1 M Sodium chloride	32.	0.1 M HEPES pH 7.5	32.	1.6 M Ammonium sulfate
33.	None	33.	0.1 M HEPES pH 7.5	33.	2.0 M Ammonium formate
34.	0.05 M Cadmium sulfate hydrate	34.	0.1 M HEPES pH 7.5	34.	1.0 M Sodium acetate trihydrate
35.	None	35.	0.1 M HEPES pH 7.5	35.	70% v/v (+/-)-2-Methyl-2,4-pentanediol
36.	None	36.	0.1 M HEPES pH 7.5	36.	4.3 M Sodium chloride
37.	None	37.	0.1 M HEPES pH 7.5	37.	10% w/v Polyethylene glycol 8,000 8% v/v Ethylene glycol
38.	None	38.	0.1 M HEPES pH 7.5	38.	20% w/v Polyethylene glycol 10,000
39.	0.2 M Magnesium chloride hexahydrate	39.	0.1 M Tris pH 8.5	39.	3.4 M 1,6-Hexanediol
40.	None	40.	0.1 M Tris pH 8.5	40.	25% v/v tert-Butanol
41.	0.01 M Nickel(II) chloride hexahydrate	41.	0.1 M Tris pH 8.5	41.	1.0 M Lithium sulfate monohydrate
42.	1.5 M Ammonium sulfate	42.	0.1 M Tris pH 8.5	42.	12% v/v Glycerol
43.	0.2 M Ammonium phosphate monobasic	43.	0.1 M Tris pH 8.5	43.	50% v/v (+/-)-2-Methyl-2,4-pentanediol
44.	None	44.	0.1 M Tris pH 8.5	44.	20% v/v Ethanol
45.	0.01 M Nickel(II) chloride hexahydrate	45.	0.1 M Tris pH 8.5	45.	20% w/v Polyethylene glycol monomethyl ether 2,000
46.	0.1 M Sodium chloride	46.	0.1 M BICINE pH 9.0	46.	20% v/v Polyethylene glycol monomethyl ether 550
47.	None	47.	0.1 M BICINE pH 9.0	47.	2.0 M Magnesium chloride hexahydrate
48.	None	48.	0.1 M BICINE pH 9.0	48.	2% v/v 1,4-Dioxane 10% w/v Polyethylene glycol 20,000

◇ Buffer pH is that of a 1.0 M (0.5 M for MES monohydrate) stock prior to dilution with other reagent components: pH with HCl or NaOH.

*Crystal Screen 2 contains forty-eight unique reagents. To determine the formulation of each reagent, simply read across the page.*



*Solutions for Crystal Growth*

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