

Tube Number	Salt	Tube Number	Buffer †	Tube Number	Precipitant
1.	0.02 M Calcium Chloride dihydrate	1.	0.1 M Sodium Acetate trihydrate pH 4.6	1.	30% v/v 2-Methyl-2,4-pentanediol
2.	None	2.	None	2.	0.4 M Potassium Sodium Tartrate tetrahydrate
3.	None	3.	None	3.	0.4 M mono-Ammonium dihydrogen Phosphate
4.	None	4.	0.1 M Tris Hydrochloride pH 8.5	4.	2.0 M Ammonium Sulfate
5.	0.2 M tri-Sodium Citrate dihydrate	5.	0.1 M HEPES - Na pH 7.5	5.	30% v/v 2-Methyl-2,4-pentanediol
6.	0.2 M Magnesium Chloride hexahydrate	6.	0.1 M Tris Hydrochloride pH 8.5	6.	30% w/v Polyethylene Glycol 4000
7.	None	7.	0.1 M Sodium Cacodylate pH 6.5	7.	1.4 M Sodium Acetate trihydrate
8.	0.2 M tri-Sodium Citrate dihydrate	8.	0.1 M Sodium Cacodylate pH 6.5	8.	30% v/v iso-Propanol
9.	0.2 M Ammonium Acetate	9.	0.1 M tri-Sodium Citrate dihydrate pH 5.6	9.	30% w/v Polyethylene Glycol 4000
10.	0.2 M Ammonium Acetate	10.	0.1 M Sodium Acetate trihydrate pH 4.6	10.	30% w/v Polyethylene Glycol 4000
11.	None	11.	0.1 M tri-Sodium Citrate dihydrate pH 5.6	11.	1.0 M mono-Ammonium dihydrogen Phosphate
12.	0.2 M Magnesium Chloride hexahydrate	12.	0.1 M HEPES - Na pH 7.5	12.	30% v/v iso-Propanol
13.	0.2 M tri-Sodium Citrate dihydrate	13.	0.1 M Tris Hydrochloride pH 8.5	13.	30% v/v Polyethylene Glycol 400
14.	0.2 M Calcium Chloride dihydrate	14.	0.1 M HEPES - Na pH 7.5	14.	28% v/v Polyethylene Glycol 400
15.	0.2 M Ammonium Sulfate	15.	0.1 M Sodium Cacodylate pH 6.5	15.	30% w/v Polyethylene Glycol 8000
16.	None	16.	0.1 M HEPES - Na pH 7.5	16.	1.5 M Lithium Sulfate monohydrate
17.	0.2 M Lithium Sulfate monohydrate	17.	0.1 M Tris Hydrochloride pH 8.5	17.	30% Polyethylene Glycol 4000
18.	0.2 M Magnesium Acetate tetrahydrate	18.	0.1 M Sodium Cacodylate pH 6.5	18.	20% Polyethylene Glycol 8000
19.	0.2 M Ammonium Acetate	19.	0.1 M Tris Hydrochloride pH 8.5	19.	30% v/v iso-Propanol
20.	0.2 M Ammonium Sulfate	20.	0.1 M Sodium Acetate trihydrate pH 4.6	20.	25% w/v Polyethylene Glycol 4000
21.	0.2 M Magnesium Acetate tetrahydrate	21.	0.1 M Sodium Cacodylate pH 6.5	21.	30% v/v 2-Methyl-2,4-pentanediol
22.	0.2 M Sodium Acetate trihydrate	22.	0.1 M Tris Hydrochloride pH 8.5	22.	30% w/v Polyethylene Glycol 4000
23.	0.2 M Magnesium chloride hexahydrate	23.	0.1 M HEPES - Na pH 7.5	23.	30% v/v Polyethylene Glycol 400
24.	0.2 M Calcium Chloride dihydrate	24.	0.1 M Sodium Acetate trihydrate pH 4.6	24.	20% v/v iso-Propanol
25.	None	25.	0.1 M Imidazole pH 6.5	25.	1.0 M Sodium Acetate trihydrate
26.	0.2 M Ammonium Acetate	26.	0.1 M tri-Sodium Citrate dihydrate pH 5.6	26.	30% v/v 2-Methyl-2,4-pentanediol
27.	0.2 M tri-Sodium Citrate dihydrate	27.	0.1 M HEPES - Na pH 7.5	27.	20% v/v iso-Propanol
28.	0.2 M Sodium Acetate trihydrate	28.	0.1 M Sodium Cacodylate pH 6.5	28.	30% w/v Polyethylene Glycol 8000
29.	None	29.	0.1 M HEPES - Na pH 7.5	29.	0.8 M Potassium Sodium Tartrate tetrahydrate
30.	0.2 M Ammonium Sulfate	30.	None	30.	30% w/v Polyethylene Glycol 8000
31.	0.2 M Ammonium Sulfate	31.	None	31.	30% w/v Polyethylene Glycol 4000
32.	None	32.	None	32.	2.0 M Ammonium Sulfate
33.	None	33.	None	33.	4.0 M Sodium Formate
34.	None	34.	0.1 M Sodium Acetate trihydrate pH 4.6	34.	2.0 M Sodium Formate
35.	None	35.	0.1 M HEPES - Na pH 7.5	35.	0.8 M mono-Sodium dihydrogen phosphate 0.8 M mono-Potassium dihydrogen phosphate
36.	None	36.	0.1 M Tris Hydrochloride pH 8.5	36.	8% w/v Polyethylene Glycol 8000
37.	None	37.	0.1 M Sodium Acetate trihydrate pH 4.6	37.	8% w/v Polyethylene Glycol 4000
38.	None	38.	0.1 M HEPES - Na pH 7.5	38.	1.4 M tri-Sodium Citrate dihydrate
39.	None	39.	0.1 M HEPES - Na pH 7.5	39.	2% v/v Polyethylene Glycol 400, 2.0 M Ammonium Sulfate
40.	None	40.	0.1 M tri-Sodium Citrate dihydrate pH 5.6	40.	20% v/v iso-Propanol, 20% w/v Polyethylene Glycol 4000
41.	None	41.	0.1 M HEPES - Na pH 7.5	41.	10% v/v iso-Propanol, 20% w/v Polyethylene Glycol 4000
42.	0.05 M mono-Potassium dihydrogen Phosphate	42.	None	42.	20% w/v Polyethylene Glycol 8000
43.	None	43.	None	43.	30% w/v Polyethylene Glycol 1500
44.	None	44.	None	44.	0.2 M Magnesium Formate
45.	0.2 M Zinc Acetate dihydrate	45.	0.1 M Sodium Cacodylate pH 6.5	45.	18% w/v Polyethylene Glycol 8000
46.	0.2 M Calcium Acetate hydrate	46.	0.1 M Sodium Cacodylate pH 6.5	46.	18% w/v Polyethylene Glycol 8000
47.	None	47.	0.1 M Sodium Acetate trihydrate pH 4.6	47.	2.0 M Ammonium Sulfate
48.	None	48.	0.1 M Tris Hydrochloride pH 8.5	48.	2.0 M mono-Ammonium dihydrogen Phosphate
49.	1.0 M Lithium Sulfate monohydrate	49.	None	49.	2% w/v Polyethylene Glycol 8000
50.	0.5 M Lithium Sulfate monohydrate	50.	None	50.	15% w/v Polyethylene Glycol 8000

† Buffer pH is that of a 1.0 M stock prior to dilution with other reagent components. pH with HCl or NaOH.

Crystal Screen contains fifty unique reagents. To determine the formulation of each reagent, simply read across the page.

Tube Number	Salt	Tube Number	Buffer †	Tube Number	Precipitant
1.	2.0 M Sodium chloride	1.	None	1.	10% w/v PEG 6000
2.	0.01 M Hexadecyltrimethylammonium Bromide	2.	None	2.	0.5 M Sodium Chloride, 0.01 M Magnesium Chloride hexahydrate
3.	None	3.	None	3.	25% v/v Ethylene Glycol
4.	None	4.	None	4.	35% v/v Dioxane
5.	2.0 M Ammonium Sulfate	5.	None	5.	5% v/v iso-Propanol
6.	None	6.	None	6.	1.0 M Imidazole pH 7.0
7.	None	7.	None	7.	10% w/v Polyethylene Glycol 1000 10% w/v Polyethylene Glycol 8000
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 MPD
11.	0.01 M Cobaltous 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 dihydrate	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 2000
14.	0.2 M Potassium Sodium Tartrate tetrahydrate	14.	0.1 M tri-Sodium Citrate dihydrate pH 5.6	14.	2.0 M Ammonium Sulfate
15.	0.5 M Ammonium Sulfate	15.	0.1 M tri-Sodium Citrate dihydrate pH 5.6	15.	1.0 M Lithium Sulfate monohydrate
16.	0.5 M Sodium Chloride	16.	0.1 M tri-Sodium Citrate dihydrate pH 5.6	16.	2% w/v Ethylene Imine Polymer
17.	None	17.	0.1 M tri-Sodium Citrate dihydrate pH 5.6	17.	35% v/v tert-Butanol
18.	0.01 M Ferric Chloride hexahydrate	18.	0.1 M tri-Sodium Citrate dihydrate pH 5.6	18.	10% v/v Jeffamine M-600®
19.	None	19.	0.1 M tri-Sodium Citrate dihydrate pH 5.6	19.	2.5 M 1,6 Hexanediol
20.	None	20.	0.1 M MES pH 6.5	20.	1.6 M Magnesium Sulfate heptahydrate
21.	0.1 M Sodium dihydrogen phosphate mono 0.1 M mono-Potassium dihydrogen Phosphate	21.	0.1 M MES pH 6.5	21.	2.0 M Sodium Chloride
22.	None	22.	0.1 M MES pH 6.5	22.	12% w/v Polyethylene Glycol 20,000
23.	1.6 M Ammonium Sulfate	23.	0.1 M MES pH 6.5	23.	10% v/v Dioxane
24.	0.05 M Cesium Chloride	24.	0.1 M MES pH 6.5	24.	30% v/v Jeffamine M-600®
25.	0.01 M Cobaltous Chloride hexahydrate	25.	0.1 M MES pH 6.5	25.	1.8 M Ammonium Sulfate
26.	0.2 M Ammonium Sulfate	26.	0.1 M MES pH 6.5	26.	30% w/v Polyethylene Glycol Monomethyl Ether 5000
27.	0.01 M Zinc Sulfate heptahydrate	27.	0.1 M MES pH 6.5	27.	25% v/v Polyethylene Glycol Monomethyl Ether 550
28.	None	28.	None	28.	1.6 M tri-Sodium Citrate dihydrate pH 6.5
29.	0.5 M Ammonium Sulfate	29.	0.1 M HEPES pH 7.5	29.	30% v/v MPD
30.	None	30.	0.1 M HEPES pH 7.5	30.	10% w/v Polyethylene Glycol 6000, 5% v/v MPD
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
35.	None	35.	0.1 M HEPES pH 7.5	35.	70% v/v MPD
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 8000, 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 anhydrous
43.	0.2 M mono Ammonium dihydrogen Phosphate	43.	0.1 M TRIS pH 8.5	43.	50% v/v MPD
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 2000
46.	0.1 M Sodium Chloride	46.	0.1 M Bicine pH 9.0	46.	20% w/v Polyethylene Glycol Monomethyl Ether 550
47.	None	47.	0.1 M Bicine pH 9.0	47.	2.0 M Magnesium Chloride hexahydrate
48.	2% v/v Dioxane	48.	0.1 M Bicine pH 9.0	48.	10% w/v Polyethylene Glycol 20,000

† Buffer pH is that of a 1.0 M stock (0.5 M for MES) 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.