

Tray # _____ Sample _____
 Sample Buffer: _____
 Reservoir volume _____
 Drop Volume (Total) _____ Sample _____

Sample Concentration _____
 Date _____
 Temperature _____
 Reservoir _____ Additive _____

1. Clear Drop
2. Phase Separation
3. Regular Granular Precipitation
4. Birefringent Precipitate or Microcrystals

5. Rosettes / Spherulites
6. Needles (1D Growth)
7. Plates (2D Growth)
8. Single Crystals (3D < 2mm)
9. Single Crystals (3D > 2m)

	N	Inna Screen	Date:	Date:	Date:
A1	1	20% (w/v) PEG-8000; 0.1M Ches pH 9.5			
A2	2	10% (v/v) 2-Propanol; 0.1M Hepes pH 7.5; 0.2M NaCl			
A3	3	20% (w/v) PEG-3000; 0.1M Citrate pH 5.5			
A4	4	1.0M (NH ₄) ₂ HPO ₄ ; 0.1M Na Acetate pH 4.6			
A5	5	1.0M Sodium Citrate; 0.1M Cacodylate pH 6.7			
A6	6	30% (w/v) PEG-8000; 0.1M Na Acetate pH 4.6; 0.2M Li ₂ SO ₄			
A7	7	20% (w/v) PEG-8000; 0.1M Phosphate/Citrate pH 4.2; 0.2M NaCl			
A8	8	20% (w/v) PEG-1000; 0.1M Phosphate/Citrate pH 4.2; 0.2M Li ₂ SO ₄			
A9	9	1.26M (NH ₄) ₂ SO ₄ ; 0.1M Tris pH 8.5; 0.2M Li ₂ SO ₄			
A10	10	10% (w/v) PEG-3000; 0.1M Na Acetate pH 4.6; 0.2M Zn(OAc) ₂			
A11	11	20% (w/v) PEG-8000; 0.1M Tris pH 8.5; 0.2M MgCl ₂			
A12	12	2.0M (NH ₄) ₂ SO ₄ ; 0.1M Cacodylate pH 6.7, 0.2M NaCl			
B1	13	10% (v/v) 2-Propanol; 0.1M Cacodylate pH 6.7; 0.2M Zn(OAc) ₂			
B2	14	10% (w/v) PEG-8000; 0.1M Imidazole pH 8.0			
B3	15	20% (w/v) PEG-3000; 0.1M Imidazole pH 8.0; 0.2M Zn(OAc) ₂			
B4	16	10% (w/v) PEG-8000; 0.1M Tris pH 7.0; 0.2M MgCl ₂			
B5	17	40% (v/v) PEG-300; Cacodylate pH 6.7; 0.2M Ca(OAc) ₂			
B6	18	40% (v/v) PEG-400; Tris pH 8.5; 0.2M Li ₂ SO ₄			
B7	19	40% (v/v) Ethanol; Phosphate/Citrate pH 4.2; 5% (w/v) PEG-1000			
B8	20	50% (v/v) Ethylen Glycol; Tris pH 8.5; 0.2M MgCl ₂			
B9	21	40% (v/v) MPD; Cacodylate pH 6.7; 5% (w/v) PEG-8000			
B10	22	25% (v/v) MPD; 10% (v/v) Glycerol; 0.1M Na/K Phosphate pH 6.2			
B11	23	50% v/v PEG-285-315; Cacodylate pH 6.5; 0.2M MgCl ₂			
B12	24	40% (v/v) PEG-285-315; 0.1M Phosphate-Citrate pH 4.2			
C1	25	40% (v/v) MPD; Caps pH11.0			
C2	26	30% (v/v) MPD; 0.1M Na Acetate pH 4.6; 0.02M CaCl ₂			
C3	27	0.8M NaH ₂ PO ₄ ; 0.1M Hepes pH 7.5			
C4	28	8% (w/v) PEG-4000; 0.1M Na Acetate pH 4.6			
C5	29	2.0M (NH ₄) ₂ SO ₄ ; 0.1M Na Acetate pH 4.6			
C6	30	14% (v/v) 2-Propanol; 0.07M Na Acetate pH 4.6; 0.14M CaCl ₂ ; 30% (v/v) Glycerol			
C7	31	25.5% (w/v) PEG-4000; 0.17M (NH ₄) ₂ SO ₄ ; 15% (v/v) Glycerol			
C8	32	16% (w/v) PEG-8000; 0.04M KH ₂ PO ₄ ; 20% (v/v) Glycerol			
C9	33	24% (w/v) PEG-1500; 20% (v/v) Glycerol			
C10	34	14.5% (w/v) PEG-8000; 0.08M Cacodylate pH 6.5; 0.16M Ca(OAc) ₂ , 20% (v/v) Glycerol			
C11	35	10% (w/v) PEG-1000			
C12	36	1.6M MgSO ₄ ; 0.1M Mes pH 6.5			
D1	37	30% (v/v) Jeffamine M-600; 0.1M Mes pH 6.5 ; 0.05M CsCl			
D2	38	1.6M tri-Sodium Citrate pH 6.5			
D3	39	30% (v/v) Jeffamine M-600 ; 0.1M Hepes pH 7.5			
D4	40	70% (v/v) MPD; 0.1M Hepes pH 7.5			
D5	41	10% (w/v) PEG-8000; 8% (v/v) Ethylene Glycol; 0.1M Hepes pH 7.5			
D6	42	50% (v/v) MPD; 0.1M Tris pH 8.5; 0.2M NH ₄ H ₂ PO ₄			
D7	43	20% (v/v) Ethanol; 0.1M Tris pH 8.5			
D8	44	10% (w/v) PEG-20,000; 0.1M Bicine pH 9.0; 2% (v/v) Dioxane			
D9	45	0.8M (NH ₄) ₂ SO ₄ ; 0.1M Citrate pH 5.0			
D10	46	3.2M (NH ₄) ₂ SO ₄ ; 0.1M Citrate pH 5.0			
D11	47	20% (v/v) MPD; 0.1M Tris pH 8.0			
D12	48	40% (v/v) MPD; 0.1M Tris pH 8.0			

E1	49	10% (v/v) MPD; 0.1M Bicine pH 9.0			
E2	50	20% (w/v) PEG-6000; 0.1M Citrate pH 4.0; 1M LiCl			
E3	51	20% (w/v) PEG-6000; 0.1M Citrate pH 5.0			
E4	52	10% (w/v)PEG-6000; 0.1M Hepes pH 7.0			
E5	53	10% (w/v) PEG-6000; 0.1M Bicine pH 9.0			
E6	54	20% (w/v) PEG-6000; 0.1M Bicine pH 9.0			
E7	55	20% (w/v) PEG-3350; 0.2M NH ₄ Cl			
E8	56	20% (w/v) PEG-3350; 0.2M NaSCN			
E9	57	20% (w/v) PEG-3350; 0.2M KNO ₃			
E10	58	20% (w/v) PEG-3350, 0.2M (NH ₄)NO ₃			
E11	59	20% (w/v) PEG-3350; 0.2M Mg Formate			
E12	60	20% (w/v) PEG-3350; 0.2M NH ₄ Formate			
F1	61	20% (w/v) PEG-3350; 0.2M Na Citrate			
F2	62	20% (w/v) PEG-8000; 0.1M Citrate pH 5.0			
F3	63	10% (w/v) PEG-8000; 0.1M Imidazole pH 9.0			
F4	64	50% (v/v) PEG-400; 0.2M Li ₂ SO ₄ ; 0.1M Na Acetate pH 5.1			
F5	65	20% (w/v) PEG-3350; 0.2M NH ₄ Citrate pH 5.0			
F6	66	20% (w/v) PEG-3350; 0.2M K Formate			
F7	67	20% (w/v) PEG-6000; 1M LiCl; 0.1M Citrate pH 4.0			
F8	68	10% (w/v) PEG-1000; 10% (w/v) PEG-8000			
F9	69	30% (v/v) PEG-400; 0.2M MgCl ₂ ; 0.1M Hepes pH 7.5			
F10	70	50% (v/v) PEG-200; 0.2 NaCl; 0.1M Na/K PO ₄ pH 7.15			
F11	71	3.0M 1,6-Hexanediol; 0.2M MgCl ₂ ; 0.1M Tris pH 8.5			
F12	72	2.0M (NH ₄)H ₂ PO ₄ ; 0.1M Tirs pH 8.5			
G1	73	20% (w/v) PEG-3350; 0.2M KCl			
G2	74	35% (v/v) MPD; 0.2M Li ₂ SO ₄ ; 0.1 Mes pH 6.0			
G3	75	1.26M (NH ₄) ₂ SO ₄ ; 0.2M NaCl; 0.1M Ches pH 9.5			
G4	76	40% (v/v) PEG-600; 0.1M Ches pH 9.5			
G5	77	2.0M (NH ₄) ₂ SO ₄			
G6	78	35% (v/v) 1,4-Dioxane			
G7	79	40% (v/v) PEG-400; 0.1M Imidazole pH 7.0			
G8	80	25% (w/v) PEG-4000; 0.2 (NH ₄) ₂ SO ₄ ; 0.1M Na Acetate pH 4.6			
G9	81	8% (w/v) PEG-8000; 0.1M Tirs pH 8.5			
G10	82	1M 1,6-Hexanediol; 0.01M CoCl ₂ ; 0.1M Na Acetate pH 4.6			
G11	83	20% (v/v) PEG-1000; 0.1M Tris pH 7.0			
G12	84	2.5M NaCl; 0.2M MgCl ₂ ; 0.1M Tris pH 7.0			
H1	85	20% (w/v) PEG-8000; 0.2M Ca(OAc) ₂ ; 0.1M Mes pH 6.0			
H2	86	40% (v/v) Ethylen Glycol; 0.1M Na Acetate pH 5.0			
H3	87	20% (w/v) PEG-6000; 0.1M LiCl; 0.1M Tris pH 8.0			
H4	88	1.26M (NH ₄) ₂ SO ₄ ; 0.1M Cacodylate pH 6.5			
H5	89	12% (w/v) PEG-20,000; 0.1M Mes pH 6.5			
H6	90	20% (w/v) PEG-3350; 0.2M Li Acetate pH 7.8			
H7	91	20% (w/v) PEG-3350; 0.2M Na Formate			
H8	92	20% (w/v) PEG-1500; 0.1M Tris pH 7.0			
H9	93	2.0M (NH ₄) ₂ SO ₄ ; 0.1M Phosphate/Citrate pH 4.2			
H10	94	1.5M (NH ₄)H ₂ PO ₄ ; 0.08M Tris pH 8.5; 20% (v/v) Glycerol			
H11	95	10% (w/v) PEG-3000; 0.2M NaCl; 0.1M Phosphate/Citrate pH 4.2			
H12	96	40% (v/v) Ethanol; 0.05M MgCl ₂ ; 0.1M Tris pH 8.5			