

Scoring Sheet — The Cations Suite

Date:	Protein:	Protein vol.:	μ l
Operator:	Buffer:	Solution vol.:	μ l
Plate ID:	Additives:	Additive vol.:	μ l

Date of observation

Location	Crystallization condition					
A1	1,A1	0.1 M Na acetate pH 4.6, 3.5 M Ammonium chloride				
A2	1,A2	0.1 M Na acetate pH 4.6, 1.75 M Ammonium chloride				
A3	1,A3	0.1 M Na acetate pH 4.6, 4.0 M Lithium chloride				
A4	1,A4	0.1 M Na acetate pH 4.6, 2.0 M Lithium chloride				
A5	1,A5	0.1 M Na acetate pH 4.6, 1.5 M Magnesium chloride				
A6	1,A6	0.1 M Na acetate pH 4.6, 0.75 M Magnesium chloride				
A7	1,B1	0.1 M MES pH 6.5, 3.5 M Ammonium chloride				
A8	1,B2	0.1 M MES pH 6.5, 1.75 M Ammonium chloride				
A9	1,B3	0.1 M MES pH 6.5, 4.0 M Lithium chloride				
A10	1,B4	0.1 M MES pH 6.5, 2.0 M Lithium chloride				
A11	1,B5	0.1 M MES pH 6.5, 1.5 M Magnesium chloride				
A12	1,B6	0.1 M MES pH 6.5, 0.75 M Magnesium chloride				
B1	1,C1	0.1 M HEPES pH 7.5, 3.5 M Ammonium chloride				
B2	1,C2	0.1 M HEPES pH 7.5, 1.75 M Ammonium chloride				
B3	1,C3	0.1 M HEPES pH 7.5, 4.0 M Lithium chloride				
B4	1,C4	0.1 M HEPES pH 7.5, 2.0 M Lithium chloride				
B5	1,C5	0.1 M HEPES pH 7.5, 1.5 M Magnesium chloride				
B6	1,C6	0.1 M HEPES pH 7.5, 0.75 M Magnesium chloride				
B7	1,D1	0.1 M Tris-HCl pH 8.5, 3.5 M Ammonium chloride				
B8	1,D2	0.1 M Tris-HCl pH 8.5, 1.75 M Ammonium chloride				
B9	1,D3	0.1 M Tris-HCl pH 8.5, 4.0 M Lithium chloride				
B10	1,D4	0.1 M Tris-HCl pH 8.5, 2.0 M Lithium chloride				
B11	1,D5	0.1 M Tris-HCl pH 8.5, 1.5 M Magnesium chloride				
B12	1,D6	0.1 M Tris-HCl pH 8.5, 0.75 M Magnesium chloride				
C1	2,A1	0.1 M Na acetate pH 4.6, 4.5 M Ammonium acetate				
C2	2,A2	0.1 M Na acetate pH 4.6, 2.25 M Ammonium acetate				
C3	2,A3	0.1 M Na acetate pH 4.6, 2.5 M Lithium acetate				
C4	2,A4	0.1 M Na acetate pH 4.6, 1.25 M Lithium acetate				
C5	2,A5	0.1 M Na acetate pH 4.6, 2.0 M Magnesium acetate				
C6	2,A6	0.1 M Na acetate pH 4.6, 1.0 M Magnesium acetate				
C7	2,B1	0.1 M MES pH 6.5, 4.5 M Ammonium acetate				
C8	2,B2	0.1 M MES pH 6.5, 2.25 M Ammonium acetate				
C9	2,B3	0.1 M MES pH 6.5, 2.5 M Lithium acetate				
C10	2,B4	0.1 M MES pH 6.5, 1.25 M Lithium acetate				
C11	2,B5	0.1 M MES pH 6.5, 2.0 M Magnesium acetate				
C12	2,B6	0.1 M MES pH 6.5, 1.0 M Magnesium acetate				
D1	2,C1	0.1 M HEPES pH 7.5, 4.5 M Ammonium acetate				
D2	2,C2	0.1 M HEPES pH 7.5, 2.25 M Ammonium acetate				
D3	2,C3	0.1 M HEPES pH 7.5, 2.5 M Lithium acetate				
D4	2,C4	0.1 M HEPES pH 7.5, 1.25 M Lithium acetate				
D5	2,C5	0.1 M HEPES pH 7.5, 2.0 M Magnesium acetate				
D6	2,C6	0.1 M HEPES pH 7.5, 1.0 M Magnesium acetate				
D7	2,D1	0.1 M Tris-HCl pH 8.5, 4.5 M Ammonium acetate				
D8	2,D2	0.1 M Tris-HCl pH 8.5, 2.25 M Ammonium acetate				
D9	2,D3	0.1 M Tris-HCl pH 8.5, 2.5 M Lithium acetate				
D10	2,D4	0.1 M Tris-HCl pH 8.5, 1.25 M Lithium acetate				
D11	2,D5	0.1 M Tris-HCl pH 8.5, 2.0 M Magnesium acetate				
D12	2,D6	0.1 M Tris-HCl pH 8.5, 1.0 M Magnesium acetate				



Location	Crystallization condition					
E1	3,A1	0.1 M Na acetate pH 4.6, 2.2 M Calcium chloride				
E2	3,A2	0.1 M Na acetate pH 4.6, 1.1 M Calcium chloride				
E3	3,A3	0.1 M Na acetate pH 4.6, 3.2 M NaCl				
E4	3,A4	0.1 M Na acetate pH 4.6, 1.6 M NaCl				
E5	3,A5	0.1 M Na acetate pH 4.6, 1.6 M Zinc sulfate				
E6	3,A6	0.1 M Na acetate pH 4.6, 0.8 M Zinc sulfate				
E7	3,B1	0.1 M MES pH 6.5, 2.2 M Calcium chloride				
E8	3,B2	0.1 M MES pH 6.5, 1.1 M Calcium chloride				
E9	3,B3	0.1 M MES pH 6.5, 3.2 M NaCl				
E10	3,B4	0.1 M MES pH 6.5, 1.6 M NaCl				
E11	3,B5	0.1 M Na cacodylate pH 6.5, 1.6 M Zinc sulfate				
E12	3,B6	0.1 M Na cacodylate pH 6.5, 0.8 M Zinc sulfate				
F1	3,C1	0.1 M HEPES pH 7.5, 2.2 M Calcium chloride				
F2	3,C2	0.1 M HEPES pH 7.5, 1.1 M Calcium chloride				
F3	3,C3	0.1 M HEPES pH 7.5, 3.2 M NaCl				
F4	3,C4	0.1 M HEPES pH 7.5, 1.6 M NaCl				
F5	3,C5	0.1 M Imidazole pH 7.5, 1.6 M Zinc sulfate				
F6	3,C6	0.1 M Imidazole pH 7.5, 0.8 M Zinc sulfate				
F7	3,D1	0.1 M Tris-HCl pH 8.5, 2.2 M Calcium chloride				
F8	3,D2	0.1 M Tris-HCl pH 8.5, 1.1 M Calcium chloride				
F9	3,D3	0.1 M Tris-HCl pH 8.5, 3.2 M NaCl				
F10	3,D4	0.1 M Tris-HCl pH 8.5, 1.6 M NaCl				
F11	3,D5	0.1 M BICINE pH 8.5, 1.6 M Zinc sulfate				
F12	3,D6	0.1 M BICINE pH 8.5, 0.8 M Zinc sulfate				
G1	4,A1	0.1 M Na acetate pH 4.6, 4.0 M K acetate				
G2	4,A2	0.1 M Na acetate pH 4.6, 2.0 M K acetate				
G3	4,A3	0.1 M Na acetate pH 4.6, 2.2 M KCl				
G4	4,A4	0.1 M Na acetate pH 4.6, 1.1 M KCl				
G5	4,A5	0.1 M Na acetate pH 4.6, 1.2 M Zinc acetate				
G6	4,A6	0.1 M Na acetate pH 4.6, 0.6 M Zinc acetate				
G7	4,B1	0.1 M MES pH 6.5, 4.0 M K acetate				
G8	4,B2	0.1 M MES pH 6.5, 2.0 M K acetate				
G9	4,B3	0.1 M MES pH 6.5, 2.2 M KCl				
G10	4,B4	0.1 M MES pH 6.5, 1.1 M KCl				
G11	4,B5	0.1 M MES pH 6.5, 1.2 M Zinc acetate				
G12	4,B6	0.1 M MES pH 6.5, 0.6 M Zinc acetate				
H1	4,C1	0.1 M HEPES pH 7.5, 4.0 M K acetate				
H2	4,C2	0.1 M HEPES pH 7.5, 2.0 M K acetate				
H3	4,C3	0.1 M HEPES pH 7.5, 2.2 M KCl				
H4	4,C4	0.1 M HEPES pH 7.5, 1.1 M KCl				
H5	4,C5	0.1 M Imidazole pH 7.5, 1.2 M Zinc acetate				
H6	4,C6	0.1 M Imidazole pH 7.5, 0.6 M Zinc acetate				
H7	4,D1	0.1 M Tris-HCl pH 8.5, 4.0 M K acetate				
H8	4,D2	0.1 M Tris-HCl pH 8.5, 2.0 M K acetate				
H9	4,D3	0.1 M Tris-HCl pH 8.5, 2.2 M KCl				
H10	4,D4	0.1 M Tris-HCl pH 8.5, 1.1 M KCl				
H11	4,D5	0.1 M Tris-HCl pH 8.5, 1.2 M Zinc acetate				
H12	4,D6	0.1 M Tris-HCl pH 8.5, 0.6 M Zinc acetate				

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