



**86684 Crystallization Low Ionic Kit for Proteins
Observation Sheet**

Product Information

Sample: _____

Date: _____

Sample Concentration: _____

Reservoir Volume: _____

Sample Buffer: _____

Temperature: _____

Drop Volume: Total _____ μ l Sample _____ μ l Reservoir _____ μ l Additive _____ μ l

1 Clear Drop

4 Birefringent Precipitate or Microcrystals

7 Plates (2D Growth)

2 Phase Separation

5 Posettes or Spherulites

8 Single Crystals (3D Growth < 0.2mm)

3 Regular Granular Precipitate

6 Needles (1D Growth)

9 Single Crystals (3D Growth > 0.2mm)

No.	Fluka No.	Name	Date	Date	Date	Date	Date
1	83171	0.05 M sodium citrate, pH 3.0, 4% PEG 3350					
2	95988	0.05 M sodium citrate, pH 3.0, 12% PEG 3350					
3	96376	0.05 M sodium citrate, pH 3.0, 20% PEG 3350					
4	95918	0.05 M sodium citrate, pH 3.0, 28% PEG 3350					
5	94191	0.05 M sodium citrate, pH 4.0, 4% PEG 3350					
6	96711	0.05 M sodium citrate, pH 4.0, 12% PEG 3350					
7	75402	0.05 M sodium citrate, pH 4.0, 20% PEG 3350					
8	78667	0.05 M sodium citrate, pH 4.0, 28% PEG 3350					
9	80654	0.05 M sodium citrate, pH 4.5, 4% PEG 3350					
10	71586	0.05 M sodium citrate, pH 4.5, 12% PEG 3350					
11	80089	0.05 M sodium citrate, pH 4.5, 20% PEG 3350					
12	80552	0.05 M sodium citrate, pH 4.5, 28% PEG 3350					
13	73291	0.05 M sodium citrate, pH 5.0, 4% PEG 3350					
14	78067	0.05 M sodium citrate, pH 5.0, 12% PEG 3350					
15	80749	0.05 M sodium citrate, pH 5.0, 20% PEG 3350					
16	77657	0.05 M sodium citrate, pH 5.0, 28% PEG 3350					
17	77652	0.05 M sodium citrate, pH 5.5, 4% PEG 3350					
18	80538	0.05 M sodium citrate, pH 5.5, 12% PEG 3350					
19	87007	0.05 M sodium citrate, pH 5.5, 20% PEG 3350					
20	91788	0.05 M sodium citrate, pH 5.5, 28% PEG 3350					
21	86309	0.05 M MES sodium salt, pH 6.0, 4% PEG 3350					
22	86287	0.05 M MES sodium salt, pH 6.0, 12% PEG 3350					
23	89781	0.05 M MES sodium salt, pH 6.0, 20% PEG 3350					
24	92179	0.05 M MES sodium salt, pH 6.0, 28% PEG 3350					
25	91341	0.05 M Bis-tris, pH 6.5, 4% PEG 3350					

1 Clear Drop
 2 Phase Separation
 3 Regular Granular Precipitate

4 Birefringent Precipitate or Microcrystals
 5 Posettes or Spherulites
 6 Needles (1D Growth)

7 Plates (2D Growth)
 8 Single Crystals (3D Growth < 0.2mm)
 9 Single Crystals (3D Growth > 0.2mm)

No.	Fluka No.	Name	Date	Date	Date	Date	Date
26	89146	0.05 M Bis-tris, pH 6.5, 12% PEG 3350					
27	89776	0.05 M Bis-tris, pH 6.5, 20% PEG 3350					
28	87316	0.05 M Bis-tris, pH 6.5, 28% PEG 3350					
29	86313	0.05 M imidazole-HCl, pH 7.0, 4% PEG 3350					
30	95479	0.05 M imidazole-HCl, pH 7.0, 12% PEG 3350					
31	74563	0.05 M imidazole-HCl, pH 7.0, 20% PEG 3350					
32	94774	0.05 M imidazole-HCl, pH 7.0, 28% PEG 3350					
33	92538	0.05 M HEPES sodium salt, pH 7.5, 4% PEG 3350					
34	86461	0.05 M HEPES sodium salt, pH 7.5, 12% PEG 3350					
35	92021	0.05 M HEPES sodium salt, pH 7.5, 20% PEG 3350					
36	92146	0.05 M HEPES sodium salt, pH 7.5, 28% PEG 3350					
37	92154	0.05 M Tris-HCl, pH 8.0, 4% PEG 3350					
38	80866	0.05 M Tris-HCl, pH 8.0, 12% PEG 3350					
39	89785	0.05 M Tris-HCl, pH 8.0, 20% PEG 3350					
40	95129	0.05 M Tris-HCl, pH 8.0, 28% PEG 3350					
41	92477	0.05 M Tris-HCl, pH 8.5, 4% PEG 3350					
42	94611	0.05 M Tris-HCl, pH 8.5, 12% PEG 3350					
43	94586	0.05 M Tris-HCl, pH 8.5, 20% PEG 3350					
44	94845	0.05 M Tris-HCl, pH 8.5, 28% PEG 3350					
45	93209	0.05 M glycine sodium salt, pH 9.0, 4% PEG 3350					
46	92636	0.05 M glycine sodium salt, pH 9.0, 12% PEG 3350					
47	96261	0.05 M glycine sodium salt, pH 9.0, 20% PEG 3350					
48	75289	0.05 M glycine sodium salt, pH 9.0, 28% PEG 3350					
49	77584	0.05 M glycine sodium salt, pH 10.0, 4% PEG 3350					
50	88194	0.05 M glycine sodium salt, pH 10.0, 28% PEG 3350					

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