

## Wizard Precipitant Synergy – 96-well matrix block

(192 formulations, 1.7 ml each in two 96-well block plate)

1008652

Block 2	Precipitant #1	Precipitant #2	Additive	Buffer
A1	30%(v/v) Isopropanol	10%(v/v) PEG 1500	0.2M Lithium sulfate	0.1M Sodium acetate/ Acetic acid pH 5.5
A2	20.1%(v/v) Isopropanol	6.7%(v/v) PEG 1500	0.2M Lithium sulfate	0.1M Sodium acetate/ Acetic acid pH 5.5
A3	9.9%(v/v) Isopropanol	3.3%(v/v) PEG 1500	0.2M Lithium sulfate	0.1M Sodium acetate/ Acetic acid pH 5.5
A4	30%(v/v) Isopropanol	15%(v/v) PEG 8000		0.1M Imidazole/ Hydrochloric acid pH 6.5
A5	20.1%(v/v) Isopropanol	10.05%(v/v) PEG 8000		0.1M Imidazole/ Hydrochloric acid pH 6.5
A6	9.9%(v/v) Isopropanol	4.95%(v/v) PEG 8000		0.1M Imidazole/ Hydrochloric acid pH 6.5
A7	30%(v/v) Isopropanol	15%(v/v) PEG 3350		0.2M Ammonium citrate/Citric acid pH 7.5
A8	20.1%(v/v) Isopropanol	10.05%(v/v) PEG 3350		0.2M Ammonium citrate/Citric acid pH 7.5
A9	9.9%(v/v) Isopropanol	4.95%(v/v) PEG 3350		0.2M Ammonium citrate/Citric acid pH 7.5
A10	30%(v/v) Isopropanol	30%(v/v) PEG 3350		0.1M Tris base/ Hydrochloric acid pH 8.5
A11	20.1%(v/v) Isopropanol	20.1%(v/v) PEG 3350		0.1M Tris base/ Hydrochloric acid pH 8.5
A12	9.9%(v/v) Isopropanol	9.9%(v/v) PEG 3350		0.1M Tris base/ Hydrochloric acid pH 8.5
B1	40%(v/v) PEG 400	20%(v/v) PEG 8000		0.1M Sodium acetate/ Acetic acid pH 4.5
B2	26.8%(v/v) PEG 400	13.4%(v/v) PEG 8000		0.1M Sodium acetate/ Acetic acid pH 4.5
B3	13.2%(v/v) PEG 400	6.6%(v/v) PEG 8000		0.1M Sodium acetate/ Acetic acid pH 4.5
B4	40%(v/v) PEG 400	5%(v/v) PEG 3350		0.1M Sodium acetate/ Acetic acid pH 5.5
B5	26.8%(v/v) PEG 400	3.35%(v/v) PEG 3350		0.1M Sodium acetate/ Acetic acid pH 5.5
B6	13.2%(v/v) PEG 400	1.65%(v/v) PEG 3350		0.1M Sodium acetate/ Acetic acid pH 5.5
B7	20%(v/v) PEG 400	15%(v/v) PEG 1000		0.15M Potassium phosphate dibasic/ Sodium phosphate monobasic pH 6.5
B8	13.4%(v/v) PEG 400	10.05%(v/v) PEG 1000		0.15M Potassium phosphate dibasic/ Sodium phosphate monobasic pH 6.5
B9	6.6%(v/v) PEG 400	4.95%(v/v) PEG 1000		0.15M Potassium phosphate dibasic/ Sodium phosphate monobasic pH 6.5
B10	40%(v/v) PEG 400	8%(v/v) PEG 8000		0.1M HEPES/ Sodium hydroxide pH 7.5
B11	26.8%(v/v) PEG 400	5.36%(v/v) PEG 8000		0.1M HEPES/ Sodium hydroxide pH 7.5
B12	13.2%(v/v) PEG 400	2.64%(v/v) PEG 8000		0.1M HEPES/ Sodium hydroxide pH 7.5
C1	25%(v/v) PEG 400	20%(v/v) PEG 3350	0.1M Magnesium chloride	0.1M Tris base/ Hydrochloric acid pH 8.5
C2	16.75%(v/v) PEG 400	13.4%(v/v) PEG 3350	0.1M Magnesium chloride	0.1M Tris base/ Hydrochloric acid pH 8.5
C3	8.25%(v/v) PEG 400	6.6%(v/v) PEG 3350	0.1M Magnesium chloride	0.1M Tris base/ Hydrochloric acid pH 8.5
C4	30%(v/v) PEG 1500	3%(v/v) MPD	0.2M Magnesium sulfate	0.1M Sodium acetate/ Acetic acid pH 5.5
C5	20.1%(v/v) PEG 1500	2.01%(v/v) MPD	0.2M Magnesium sulfate	0.1M Sodium acetate/ Acetic acid pH 5.5
C6	9.9%(v/v) PEG 1500	0.99%(v/v) MPD	0.2M Magnesium sulfate	0.1M Sodium acetate/ Acetic acid pH 5.5
C7	30%(v/v) PEG 1500	10%(v/v) Isopropanol	0.1M Calcium chloride	0.1M Imidazole/ Hydrochloric acid pH 6.5
C8	20.1%(v/v) PEG 1500	6.7%(v/v) Isopropanol	0.1M Calcium chloride	0.1M Imidazole/ Hydrochloric acid pH 6.5
C9	9.9%(v/v) PEG 1500	3.3%(v/v) Isopropanol	0.1M Calcium chloride	0.1M Imidazole/ Hydrochloric acid pH 6.5
C10	30%(v/v) PEG 1500	20%(v/v) PEG 400		0.1M HEPES/ Sodium hydroxide pH 7.5
C11	20.1%(v/v) PEG 1500	13.4%(v/v) PEG 400		0.1M HEPES/ Sodium hydroxide pH 7.5
C12	9.9%(v/v) PEG 1500	6.6%(v/v) PEG 400		0.1M HEPES/ Sodium hydroxide pH 7.5
D1	30%(v/v) PEG 1500	8%(v/v) MPD		0.1M Tris base/ Hydrochloric acid pH 8.5
D2	20.1%(v/v) PEG 1500	5.36%(v/v) MPD		0.1M Tris base/ Hydrochloric acid pH 8.5
D3	9.9%(v/v) PEG 1500	2.64%(v/v) MPD		0.1M Tris base/ Hydrochloric acid pH 8.5
D4	25%(v/v) PEG 3350	15%(v/v) Isopropanol		0.2M Ammonium citrate/Citric acid pH 4.5
D5	16.75%(v/v) PEG 3350	10.05%(v/v) Isopropanol		0.2M Ammonium citrate/Citric acid pH 4.5
D6	8.25%(v/v) PEG 3350	4.95%(v/v) Isopropanol		0.2M Ammonium citrate/Citric acid pH 4.5
D7	25%(v/v) PEG 3350	5%(v/v) PEG 400		0.1M Sodium acetate/ Acetic acid pH 5.5
D8	16.75%(v/v) PEG 3350	3.35%(v/v) PEG 400		0.1M Sodium acetate/ Acetic acid pH 5.5
D9	8.25%(v/v) PEG 3350	1.65%(v/v) PEG 400		0.1M Sodium acetate/ Acetic acid pH 5.5
D10	25%(v/v) PEG 3350	15%(v/v) MPD	0.2M Lithium sulfate	0.1M Imidazole/ Hydrochloric acid pH 6.5
D11	16.75%(v/v) PEG 3350	10.05%(v/v) MPD	0.2M Lithium sulfate	0.1M Imidazole/ Hydrochloric acid pH 6.5
D12	8.25%(v/v) PEG 3350	4.95%(v/v) MPD	0.2M Lithium sulfate	0.1M Imidazole/ Hydrochloric acid pH 6.5

Block 2	Precipitant #1	Precipitant #2	Additive	Buffer
E1	25%(v/v) PEG 3350	4%(v/v) Isopropanol	0.1M Calcium chloride	0.1M HEPES/ Sodium hydroxide pH 7.5
E2	16.75%(v/v) PEG 3350	2.68%(v/v) Isopropanol	0.1M Calcium chloride	0.1M HEPES/ Sodium hydroxide pH 7.5
E3	8.25%(v/v) PEG 3350	1.32%(v/v) Isopropanol	0.1M Calcium chloride	0.1M HEPES/ Sodium hydroxide pH 7.5
E4	20%(v/v) PEG 8000	10%(v/v) PEG 400	0.5M Sodium chloride	0.1M Sodium acetate/ Acetic acid pH 5.5
E5	13.4%(v/v) PEG 8000	6.7%(v/v) PEG 400	0.5M Sodium chloride	0.1M Sodium acetate/ Acetic acid pH 5.5
E6	6.6%(v/v) PEG 8000	3.3%(v/v) PEG 400	0.5M Sodium chloride	0.1M Sodium acetate/ Acetic acid pH 5.5
E7	20%(v/v) PEG 8000	3%(v/v) MPD		0.1M Imidazole/ Hydrochloric acid pH 6.5
E8	13.4%(v/v) PEG 8000	2.01%(v/v) MPD		0.1M Imidazole/ Hydrochloric acid pH 6.5
E9	6.6%(v/v) PEG 8000	0.99%(v/v) MPD		0.1M Imidazole/ Hydrochloric acid pH 6.5
E10	20%(v/v) PEG 8000	10%(v/v) Isopropanol	0.2M Ammonium sulfate	0.1M HEPES/ Sodium hydroxide pH 7.5
E11	13.4%(v/v) PEG 8000	6.7%(v/v) Isopropanol	0.2M Ammonium sulfate	0.1M HEPES/ Sodium hydroxide pH 7.5
E12	6.6%(v/v) PEG 8000	3.3%(v/v) Isopropanol	0.2M Ammonium sulfate	0.1M HEPES/ Sodium hydroxide pH 7.5
F1	20%(v/v) PEG 8000	20%(v/v) PEG 400	0.1M Magnesium chloride	0.1M Tris base/ Hydrochloric acid pH 8.5
F2	13.4%(v/v) PEG 8000	13.4%(v/v) PEG 400	0.1M Magnesium chloride	0.1M Tris base/ Hydrochloric acid pH 8.5
F3	6.6%(v/v) PEG 8000	6.6%(v/v) PEG 400	0.1M Magnesium chloride	0.1M Tris base/ Hydrochloric acid pH 8.5
F4	2.1M Sodium formate	25%(v/v) PEG 3350	0.1M Calcium chloride	0.1M Sodium acetate/ Acetic acid pH 4.5
F5	1.407M Sodium formate	16.75%(v/v) PEG 3350	0.1M Calcium chloride	0.1M Sodium acetate/ Acetic acid pH 4.5
F6	0.693M Sodium formate	8.25%(v/v) PEG 3350	0.1M Calcium chloride	0.1M Sodium acetate/ Acetic acid pH 4.5
F7	.75M Ammonium sulfate	7.5%(v/v) PEG 3350	5%(v/v) Isopropanol	0.1M Sodium acetate/ Acetic acid pH 4.5
F8	0.5025M Ammonium sulfate	5.025%(v/v) PEG 3350	3.35%(v/v) Isopropanol	0.1M Sodium acetate/ Acetic acid pH 4.5
F9	0.2475M Ammonium sulfate	2.48%(v/v) PEG 3350	1.65%(v/v) Isopropanol	0.1M Sodium acetate/ Acetic acid pH 4.5
F10	1%(v/v) PEG 4000			1M Ammonium citrate/Citric acid pH 5.5
F11	0.67%(v/v) PEG 4000			0.67M Ammonium citrate/Citric acid pH 5.5
F12	0.33%(v/v) PEG 4000			0.33M Ammonium citrate/Citric acid pH 5.5
G1	2.5M Sodium chloride	12%(v/v) PEG 1500	1.500%(v/v) MPD	0.1M Sodium acetate/ Acetic acid pH 5.5
G2	1.675M Sodium chloride	8.04%(v/v) PEG 1500	1.005%(v/v) MPD	0.1M Sodium acetate/ Acetic acid pH 5.5
G3	0.825M Sodium chloride	3.96%(v/v) PEG 1500	0.495%(v/v) MPD	0.1M Sodium acetate/ Acetic acid pH 5.5
G4	2M Sodium chloride	20%(v/v) PEG 3350	0.1M Magnesium chloride	0.1M Imidazole/ Hydrochloric acid pH 6.5
G5	1.34M Sodium chloride	13.4%(v/v) PEG 3350	0.1M Magnesium chloride	0.1M Imidazole/ Hydrochloric acid pH 6.5
G6	0.66M Sodium chloride	6.6%(v/v) PEG 3350	0.1M Magnesium chloride	0.1M Imidazole/ Hydrochloric acid pH 6.5
G7	3M Sodium formate	4%(v/v) PEG 8000		0.1M Imidazole/ Hydrochloric acid pH 6.5
G8	2.01M Sodium formate	2.68%(v/v) PEG 8000		0.1M Imidazole/ Hydrochloric acid pH 6.5
G9	0.99M Sodium formate	1.32%(v/v) PEG 8000		0.1M Imidazole/ Hydrochloric acid pH 6.5
G10	0.5%(v/v) PEG 4000			1M Potassium phosphate dibasic/ Sodium phosphate monobasic pH 7.5
G11	0.34%(v/v) PEG 4000			0.67M Potassium phosphate dibasic/ Sodium phosphate monobasic pH 7.5
G12	0.17%(v/v) PEG 4000			0.33M Potassium phosphate dibasic/ Sodium phosphate monobasic pH 7.5
H1	11.67%(v/v) PEG 3350			0.5M Potassium phosphate dibasic/ Sodium phosphate monobasic pH 7.5
H2	7.82%(v/v) PEG 3350			0.335M Potassium phosphate dibasic/ Sodium phosphate monobasic pH 7.5
H3	3.85%(v/v) PEG 3350			0.165M Potassium phosphate dibasic/ Sodium phosphate monobasic pH 7.5
H4	2%(v/v) PEG 8000			0.5M Potassium phosphate dibasic/ Sodium phosphate monobasic pH 8.5
H5	1.34%(v/v) PEG 8000			0.335M Potassium phosphate dibasic/ Sodium phosphate monobasic pH 8.5
H6	0.66%(v/v) PEG 8000			0.165M Potassium phosphate dibasic/ Sodium phosphate monobasic pH 8.5
H7	2M Sodium chloride	5%(v/v) PEG 4000		0.1M Tris base/ Hydrochloric acid pH 8.5
H8	1.34M Sodium chloride	3.35%(v/v) PEG 4000		0.1M Tris base/ Hydrochloric acid pH 8.5
H9	0.66M Sodium chloride	1.65%(v/v) PEG 4000		0.1M Tris base/ Hydrochloric acid pH 8.5
H10	15%(v/v) PEG 8000			0.5M Ammonium citrate/Ammonium hydroxide pH 8.5
H11	10.05%(v/v) PEG 8000			0.335M Ammonium citrate/Ammonium hydroxide pH 8.5
H12	4.95%(v/v) PEG 8000			0.165M Ammonium citrate/Ammonium hydroxide pH 8.5