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Supporting information for article:

Facilitated crystal handling using a simple device for evaporation reduction in microtiter plates

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Well	Main component	Component 2	Component 3	Buffer	Precipitent category	Mean diameter reduction (n=3) [%]	Data range (n=3) [%]	Comment	Category
A01	20%(w/v) PEG 8000	0.2 M Sodium chloride		0.1 M CAPS pH 10.5	large PEG	18	16 - 19		medium
A02	1.26 M Ammonium sulfate	0.2 M Sodium chloride		0.1 M CHES pH 9.5	salt	12	10 - 14		good
A03	1.0 M Sodium citrate			0.1 M CHES pH 9.5	salt	1	-2 - 5		good
A04	10%(w/v) PEG 8000	0.2 M Sodium chloride		0.1 M CHES pH 9.5	large PEG	23	15 - 30		medium
A05	10%(w/v) PEG 20000	2%(v/v) 1,4-Dioxane		0.1 M Bicine pH 9.0	large PEG	28	26 - 29		medium
A06	20%(w/v) PEG 550 MME	0.1 M Sodium chloride		0.1 M Bicine pH 9.0	small PEG	16	14 - 18		medium
A07	10%(w/v) PEG 6000	1.0 M Lithium chloride		0.1 M Bicine pH 9.0	medium PEG	15	13 - 17		medium
A08	20%(v/v) PEG 300	5%(w/v) PEG 8000	10%(v/v) Glycerol	0.1M Tris pH 8.5	small PEG	5	3 - 7		good
A09	20%(w/v) PEG 2000 MME	0.01 M Nickel chloride		0.1 M Tris pH 8.5	medium PEG	10	9 - 10		good
A10	20%(v/v) Ethanol			0.1 M Tris pH 8.5	alcohol	63	61 - 64		bad
A11	2.0 M Ammonium dihydrogen phosphate			0.1 M Tris-HCl pH 8.5	salt	11	9 - 14		good
A12	8%(w/v) PEG 8000			0.1 M Tris-HCl pH 8.5	large PEG	13	12 - 15	phase separation	bad
B01	2.0 M Ammonium sulfate			0.1 M Tris-HCl pH 8.5	salt	9	1 - 14		good
B02	40%(v/v) PEG 400	0.2 M Lithium sulfate		0.1M Tris pH 8.5	small PEG	4	2 - 7		good
B03	10%(w/v) PEG 8000	0.2 M Calcium acetate		0.1 M Imidazole pH 8.0	large PEG	27	23 - 33		medium
B04	35%(v/v) MPD	0.2 M Magnesium chloride		0.1 M Imidazole pH 8.0	MPD	13	6 - 19		medium
B05	20%(w/v) PEG 6000	1.0 M Lithium chloride		0.1 M Tris pH 8.5	medium PEG	8	8 - 10		good
B06	20%(w/v) PEG 6000			0.1 M Tris pH 8.5	medium PEG	20	19 - 22		medium
B07	20%(w/v) PEG 3350	0.2 M Lithium Acetate			medium PEG	18	14 - 20		medium
B08	40%(v/v) MPD	0.2 M Magnesium chloride		0.1M Imidazole pH 8.0	MPD	-	-	not possible to measure	-
B09	15%(v/v) Ethanol	0.2 M Magnesium chloride		0.1 M HEPES pH 7.5	alcohol	36	34 - 38		bad
B10	70%(v/v) MPD			0.1 M HEPES pH 7.5	MPD	-	-	not possible to measure	-
B11	17%(w/v) PEG 4000	15%(v/v) Glycerol	8.5%(v/v) Isopropanol	0.085 M Sodium HEPES pH 7.5	medium PEG	5	3 - 7		good
B12	25%(v/v) Glycerol	0.6 M sodium dihydrogen phosphate/0.6 M potassium dihydrogen phosphate		0.075 M Sodium HEPES pH 7.5	cryoprotectant	2	1 - 3		good
C01	27%(v/v) PEG 400	10%(v/v) Glycerol	0.18 M Magnesium chloride	0.09 M Sodium HEPES pH 7.5	small PEG	4	1 - 7		good
C02	2.0 M Ammonium sulfate	2%(v/v) PEG 400		0.1 M Sodium HEPES pH 7.5	salt	5	4 - 7		good
C03	30%(v/v) PEG 400	0.2 M Magnesium chloride		0.1 M Sodium HEPES pH 7.5	small PEG	5	2 - 9		good
C04	50%(v/v) PEG 200	0.2 M Sodium chloride		0.1M Na/K phosphate pH 6.2	small PEG	0	0 - 1		good
C05	20%(w/v) PEG 3350	0.2 M Sodium fluoride			medium PEG	16	15 - 18		medium
C06	2.0 M Ammonium sulfate	0.2 M Lithium sulfate		0.1 M Tris pH 7.0	salt	1	0 - 2		good
C07	40%(v/v) PEG 300	0.2 M Calcium acetate		0.1M Sodium cacodylate pH 6.5	small PEG	1	-1 - 2		good
C08	20%(w/v) PEG 1000			0.1 M Tris pH 7.0	medium PEG	16	12 - 18		medium
C09	10%(w/v) PEG 6000	1.0 M Lithium chloride		0.1 M HEPES pH 7.0	medium PEG	12	11 - 13		good
C10	10%(w/v) PEG 6000			0.1 M HEPES pH 6.5	medium PEG	26	25 - 27		medium
C11	40%(v/v) PEG 400	0.2 M Sodium chloride		0.1M Na/K phosphate pH 6.2	small PEG	1	1 - 1		good
C12	50%(v/v) PEG 200			0.1M Sodium citrate pH 5.5	small PEG	1	1 - 1		good
D01	25%(v/v) 1,2-Propanediol	10%(v/v) Glycerol		0.1M Na/K phosphate pH 6.2	cryoprotectant	4	3 - 6		good
D02	20%(w/v) PEG 3350	0.2 M Sodium nitrate			medium PEG	19	16 - 22		medium
D03	50%(v/v) PEG 200	0.05 M Lithium sulfate		0.1M Tris pH 7.0	small PEG	1	0 - 1		good
D04	20%(w/v) PEG 3350	0.2 M Potassium sulfate			medium PEG	23	21 - 27	crystallization	bad
D05	0.2 M Magnesium formate				salt	48	46 - 51		bad
D06	40%(v/v) PEG 600			0.1MSodium citrate pH 5.5	small PEG	3	2 - 3		good
D07	20%(w/v) PEG 1000	0.2 M Magnesium chloride		0.1 M Sodium cacodylate pH 6.5	medium PEG	13	11 - 14		good
D08	10%(w/v) PEG 3000	0.2 M Magnesium chloride		0.1 M Sodium cacodylate pH 6.5	medium PEG	23	19 - 27		medium
D09	30%(v/v) PEG 400	0.2 M Lithium sulfate		0.1 M Sodium cacodylate pH 6.5	small PEG	3	2 - 5		good
D10	2.0 M Ammonium sulfate	0.2 M Sodium chloride		0.1 M Sodium cacodylate pH 6.5	salt	1	1 - 1		good
D11	12%(w/v) PEG 20000			0.1 M MES pH 6.5	large PEG	28	28 - 29		medium
D12	20%(w/v) PEG 3350	0.2 M Lithium sulfate			medium PEG	11	11 - 12	phase separation	bad

Well	Main component	Component 2	Component 3	Buffer	Precipitent category	Mean diameter reduction (n=3) [%]	Data range (n=3) [%]	Comment	Category
E01	20%(w/v) PEG 1000	0.2 M Sodium chloride		0.1 M Na/K phosphate pH 6.2	medium PEG	19	16 - 24	phase separation	bad
E02	10%(v/v) MPD			0.1 M MES pH 5.0	MPD	41	40 - 42		bad
E03	20%(w/v) PEG 6000	1.0 M Lithium chloride		0.1 M MES pH 6.0	medium PEG	8	5 - 11		good
E04	10%(w/v) PEG 6000	1.0 M Lithium chloride		0.1 M MES pH 6.0	medium PEG	10	8 - 11		good
E05	5%(w/v) PEG 6000			0.1 M MES pH 5.0	medium PEG	42	41 - 44		bad
E06	25%(v/v) 1,2-Propanediol	10%(v/v) Glycerol	0.2 M Zinc acetate	0.1M Imidazole pH 8.0	cryoprotectant	3	2 - 4		good
E07	40%(v/v) PEG 600	0.2 M Zinc acetate		0.1M Imidazole pH 8.0	small PEG	3	2 - 4		good
E08	30%(v/v) PEG 600	10%(v/v) Glycerol	0.5 M Ammonium sulfate	0.1M Tris pH 7.0	small PEG	1	1 - 1		good
E09	1.0 M Lithium sulfate	0.5 M Ammonium sulfate		0.1 M Sodium citrate pH 5.6	salt	13	12 - 13		good
E10	30%(w/v) PEG 4000	0.2 M Ammonium acetate		0.1 M Sodium citrate pH 5.6	medium PEG	6	4 - 8	phase separation	bad
E11	24%(w/v) PEG 1500	20%(v/v) Glycerol			medium PEG	2	1 - 3		good
E12	40%(v/v) PEG 300	0.2 M Sodium chloride		0.1M Sodium acetate pH 4.5	small PEG	2	2 - 3		good
F01	35%(v/v) MPD	10%(v/v) Glycerol		0.1M Sodium acetate pH 4.5	MPD	9	7 - 10		good
F02	40%(v/v) PEG 300			0.1M Phosphate-citrate pH 4.2	small PEG	3	2 - 4		good
F03	50%(v/v) Ethylene glycol	5%(w/v) PEG 1000		0.1M Sodium acetate pH 4.5	cryoprotectant	1	0 - 2		good
F04	30%(v/v) PEG 200	0.1 M Sodium chloride		0.1M Sodium acetate pH 4.5	small PEG	5	3 - 8		good
F05	40%(v/v) 1,2-Propanediol			0.1M Sodium acetate pH 4.5	cryoprotectant	3	3 - 4		good
F06	40%(v/v) Ethylene glycol			0.1M Sodium acetate pH 4.5	cryoprotectant	2	1 - 2		good
F07	10%(v/v) MPD			0.1 M Sodium acetate pH 5.0	MPD	31	27 - 33		bad
F08	2.4 M Ammonium sulfate			0.1 M Citric acid pH 4.0	salt	4	3 - 5		good
F09	1.6 M Ammonium sulfate			0.1 M Citric acid pH 4.0	salt	9	8 - 9		good
F10	0.8 M Ammonium sulfate			0.1 M Citric acid pH 4.0	salt	23	17 - 33		medium
F11	20%(w/v) PEG 6000	1.0 M Lithium chloride		0.1 M Citric acid pH 5.0	medium PEG	7	6 - 8		good
F12	25%(v/v) 1,2-Propanediol	5%(w/v) PEG 3000	10%(v/v) Glycerol	0.1M Phosphate-citrate pH 4.2	cryoprotectant	1	1 - 1		good
G01	2.0 M Ammonium sulfate	5%(v/v) Isopropanol			salt	12	8 - 16		good
G02	2.0 M Ammonium sulfate				salt	10	9 - 13		good
G03	40%(v/v) PEG 400	0.2 M Magnesium chloride		0.1M MES pH 5.5	small PEG	3	1 - 5		good
G04	1.0 M Hexanediol	0.01 M Cobalt chloride		0.1 M Sodium acetate pH 4.6	alcohol	36	33 - 38		bad
G05	1.6 M Ammonium sulfate	20%(v/v) Glycerol		0.08 M Sodium acetate pH 4.6	salt	1	0 - 1		good
G06	30%(v/v) Glycerol	5.6%(w/v) PEG 4000		0.07 M Sodium acetate pH 4.6	cryoprotectant	4	2 - 8		good
G07	30%(v/v) Glycerol	14%(v/v) Isopropanol	0.14 M Calcium chloride	0.07 M Sodium acetate pH 4.6	cryoprotectant	7	5 - 8		good
G08	20%(w/v) PEG 4000	20%(v/v) Glycerol	0.16 M Ammonium sulfate	0.08 M Sodium acetate pH 4.6	medium PEG	2	1 - 3		good
G09	27%(v/v) MPD	10%(v/v) Glycerol	0.018 M Calcium chloride	0.09 M Sodium acetate pH 4.6	MPD	7	4 - 9		good
G10	2.0 M Ammonium sulfate			0.1 M Sodium acetate pH 4.6	salt	8	7 - 9		good
G11	10%(w/v) PEG 3000	0.2 M Zinc acetate		0.1 M Sodium acetate pH 4.5	medium PEG	29	25 - 34		medium
G12	20%(v/v) PEG 300	10% Glycerol	0.2 M Ammonium sulfate	0.1M Phosphate-citrate pH 4.2	small PEG	3	2 - 5		good
H01	30%(v/v) PEG 400	0.2 M Calcium acetate		0.1 M Sodium acetate pH 4.5	small PEG	9	6 - 11		good
H02	30%(w/v) PEG 8000	0.2 M Lithium sulfate		0.1 M Sodium acetate pH 4.5	large PEG	11	5 - 17	phase separation	bad
H03	25%(v/v) Ethylene glycol				cryoprotectant	15	13 - 17		good
H04	10%(v/v) Isopropanol	0.2 M Lithium sulfate		0.1 M Phosphate-citrate pH 4.2	alcohol	40	35 - 44		bad
H05	20%(w/v) PEG 8000	0.2 M Sodium chloride		0.1 M Phosphate-citrate pH 4.2	large PEG	15	12 - 17		medium
H06	10%(w/v) PEG 1000	10%(w/v) PEG 8000			medium PEG	14	11 - 16		good
H07	25.5%(w/v) PEG 4000	15%(v/v) Glycerol	0.17 M Ammonium sulfate		medium PEG	2	2 - 2		good
H08	30%(w/v) PEG 1500				medium PEG	8	6 - 10		good
H09	0.4 M Ammonium dihydrogen phosphate				salt	45	44 - 47		bad
H10	35%(v/v) 1,4-Dioxane				others	81	78 - 87		bad
H11	10%(v/v) MPD			0.1 M Citric acid pH 2.5	MPD	58	28 - 74		bad
H12	20%(w/v) PEG 6000			0.1 M Citric acid pH 2.5	medium PEG	11	8 - 16		good