

# Index Formulation

Reagent #	Salt		Buffer	pH	Precipitant 1		Precipitant 2	Average pH
A1			0.1 M Citric acid	3.5	2.0 M	Ammonium sulfate		3.7
A2			0.1 M Sodium acetate trihydrate	4.5	2.0 M	Ammonium sulfate		4.5
A3			0.1 M BIS-TRIS	5.5	2.0 M	Ammonium sulfate		6.1
A4			0.1 M BIS-TRIS	6.5	2.0 M	Ammonium sulfate		7.1
A5			0.1 M HEPES	7.5	2.0 M	Ammonium sulfate		7.6
A6			0.1 M Tris	8.5	2.0 M	Ammonium sulfate		8.2
A7			0.1 M Citric acid	3.5	3.0 M	Sodium chloride		3.1
A8			0.1 M Sodium acetate trihydrate	4.5	3.0 M	Sodium chloride		4.2
A9			0.1 M BIS-TRIS	5.5	3.0 M	Sodium chloride		5.7
A10			0.1 M BIS-TRIS	6.5	3.0 M	Sodium chloride		7.2
A11			0.1 M HEPES	7.5	3.0 M	Sodium chloride		7.3
A12			0.1 M Tris	8.5	3.0 M	Sodium chloride		8.6
B1			0.1 M BIS-TRIS	5.5	0.3 M	Magnesium formate dihydrate		5.7
B2			0.1 M BIS-TRIS	6.5	0.5 M	Magnesium formate dihydrate		6.5
B3			0.1 M HEPES	7.5	0.5 M	Magnesium formate dihydrate		7.4
B4			0.1 M Tris	8.5	0.3 M	Magnesium formate dihydrate		8.6
B5			1.4 M	5.6	1.26 M	Sodium phosphate monobasic monohydrate	0.14 M Potassium phosphate dibasic	5.1
B6			1.4 M	6.9	0.49 M	Sodium phosphate monobasic monohydrate	0.91 M Potassium phosphate dibasic	7.0
B7			1.4 M	8.2	0.056 M	Sodium phosphate monobasic monohydrate	1.34 M Potassium phosphate dibasic	8.4
B8			0.1 M HEPES	7.5	1.4 M	Sodium citrate tribasic dihydrate		8.0
B9					1.8 M	Ammonium citrate tribasic pH 7.0		7.0
B10					0.8 M	Succinic acid pH 7.0		7.0
B11					2.1 M	DL-Malic acid pH 7.0		7.0
B12					2.8 M	Sodium acetate trihydrate pH 7.0		7.0
C1					3.5 M	Sodium formate pH 7.0		7.0
C2					1.1 M	Ammonium tartrate dibasic pH 7.0		7.0
C3					2.4 M	Sodium malonate pH 7.0		7.0
C4					35 % v/v	Taccimate pH 7.0		7.0
C5					60 % v/v	Taccimate pH 7.0		7.0
C6	0.1 M	Sodium chloride	0.1 M BIS-TRIS	6.5	1.5 M	Ammonium sulfate		6.9
C7	0.8 M	Potassium sodium tartrate tetrahydrate	0.1 M Tris	8.5	0.5 % w/v	Polyethylene glycol monomethyl ether 5,000		8.9
C8	1.0 M	Ammonium sulfate	0.1 M BIS-TRIS	5.5	1 % w/v	Polyethylene glycol 3,350		5.8
C9	1.1 M	Sodium malonate pH 7.0	0.1 M HEPES	7.0	0.5 % v/v	Jeffamine ED-2001 pH 7.0		7.2

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Reagent #	Salt		Buffer	pH	Precipitant 1		Precipitant 2	Average pH
C10	1.0 M	Succinic acid pH 7.0	0.1 M HEPES	7.0	1 % w/v	Polyethylene glycol monomethyl ether 2,000		7.1
C11	1.0 M	Ammonium sulfate	0.1 M HEPES	7.0	0.5 % w/v	Polyethylene glycol 8,000		7.1
C12	15 % v/v	Tacsimate pH 7.0	0.1 M HEPES	7.0	2 % w/v	Polyethylene glycol 3,350		7.0
D1					25 % w/v	Polyethylene glycol 1,500		6.3
D2			0.1 M HEPES	7.0	30 % v/v	Jeffamine M-600 pH 7.0		6.7
D3			0.1 M HEPES	7.0	30 % v/v	Jeffamine ED-2001 pH 7.0		6.8
D4			0.1 M Citric acid	3.5	25 % w/v	Polyethylene glycol 3,350		4.3
D5			0.1 M Sodium acetate trihydrate	4.5	25 % w/v	Polyethylene glycol 3,350		5.1
D6			0.1 M BIS-TRIS	5.5	25 % w/v	Polyethylene glycol 3,350		5.5
D7			0.1 M BIS-TRIS	6.5	25 % w/v	Polyethylene glycol 3,350		6.5
D8			0.1 M HEPES	7.5	25 % w/v	Polyethylene glycol 3,350		7.5
D9			0.1 M Tris	8.5	25 % w/v	Polyethylene glycol 3,350		8.5
D10			0.1 M BIS-TRIS	6.5	20 % w/v	Polyethylene glycol monomethyl ether 5,000		6.5
D11			0.1 M BIS-TRIS	6.5	28 % w/v	Polyethylene glycol monomethyl ether 2,000		6.5
D12	0.2 M	Calcium chloride dihydrate	0.1 M BIS-TRIS	5.5	45 % v/v	(+/-)-2-Methyl-2,4-pentanediol		3.4
E1	0.2 M	Calcium chloride dihydrate	0.1 M BIS-TRIS	6.5	45 % v/v	(+/-)-2-Methyl-2,4-pentanediol		4.4
E2	0.2 M	Ammonium acetate	0.1 M BIS-TRIS	5.5	45 % v/v	(+/-)-2-Methyl-2,4-pentanediol		6.3
E3	0.2 M	Ammonium acetate	0.1 M BIS-TRIS	6.5	45 % v/v	(+/-)-2-Methyl-2,4-pentanediol		6.7
E4	0.2 M	Ammonium acetate	0.1 M HEPES	7.5	45 % v/v	(+/-)-2-Methyl-2,4-pentanediol		7.4
E5	0.2 M	Ammonium acetate	0.1 M Tris	8.5	45 % v/v	(+/-)-2-Methyl-2,4-pentanediol		8.3
E6	0.05 M	Calcium chloride dihydrate	0.1 M BIS-TRIS	6.5	30 % v/v	Polyethylene glycol monomethyl ether 550		5.7
E7	0.05 M	Magnesium chloride hexahydrate	0.1 M HEPES	7.5	30 % v/v	Polyethylene glycol monomethyl ether 550		7.3
E8	0.2 M	Potassium chloride	0.1 M HEPES	7.5	35 % v/v	Pentaerythritol propoxylate (5/4 PO/OH)		7.4
E9	0.05 M	Ammonium sulfate	0.1 M BIS-TRIS	6.5	30 % v/v	Pentaerythritol ethoxylate (15/4 EO/OH)		6.5
E10			0.1 M BIS-TRIS	6.5	45 % v/v	Polypropylene glycol P 400		6.4
E11	0.02 M	Magnesium chloride hexahydrate	0.1 M HEPES	7.5	22 % w/v	Polyacrylic acid sodium salt 5,100		7.2
E12	0.01 M	Cobalt(II) chloride hexahydrate	0.1 M Tris	8.5	20 % w/v	Polyvinylpyrrolidone K 15		7.7
F1	0.2 M	L-Proline	0.1 M HEPES	7.5	10 % w/v	Polyethylene glycol 3,350		7.4
F2	0.2 M	Trimethylamine N-oxide dihydrate	0.1 M Tris	8.5	20 % w/v	Polyethylene glycol monomethyl ether 2,000		8.6
F3	5 % v/v	Tacsimate pH 7.0	0.1 M HEPES	7.0	10 % w/v	Polyethylene glycol monomethyl ether 5,000		6.9
F4	0.005 M	Cobalt(II) chloride hexahydrate	0.1 M HEPES	7.5	12 % w/v	Polyethylene glycol 3,350		7.2
	0.005 M	Nickel(II) chloride hexahydrate						
	0.005 M	Cadmium chloride hydrate						
	0.005 M	Magnesium chloride hexahydrate						

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F5	0.1 M	Ammonium acetate	0.1 M	BIS-TRIS	5.5	17 % w/v	Polyethylene glycol 10,000		5.9
F6	0.2 M	Ammonium sulfate	0.1 M	BIS-TRIS	5.5	25 % w/v	Polyethylene glycol 3,350		5.6
F7	0.2 M	Ammonium sulfate	0.1 M	BIS-TRIS	6.5	25 % w/v	Polyethylene glycol 3,350		6.5
F8	0.2 M	Ammonium sulfate	0.1 M	HEPES	7.5	25 % w/v	Polyethylene glycol 3,350		7.3
F9	0.2 M	Ammonium sulfate	0.1 M	Tris	8.5	25 % w/v	Polyethylene glycol 3,350		8.3
F10	0.2 M	Sodium chloride	0.1 M	BIS-TRIS	5.5	25 % w/v	Polyethylene glycol 3,350		5.4
F11	0.2 M	Sodium chloride	0.1 M	BIS-TRIS	6.5	25 % w/v	Polyethylene glycol 3,350		6.6
F12	0.2 M	Sodium chloride	0.1 M	HEPES	7.5	25 % w/v	Polyethylene glycol 3,350		7.4
G1	0.2 M	Sodium chloride	0.1 M	Tris	8.5	25 % w/v	Polyethylene glycol 3,350		8.5
G2	0.2 M	Lithium sulfate monohydrate	0.1 M	BIS-TRIS	5.5	25 % w/v	Polyethylene glycol 3,350		5.5
G3	0.2 M	Lithium sulfate monohydrate	0.1 M	BIS-TRIS	6.5	25 % w/v	Polyethylene glycol 3,350		6.5
G4	0.2 M	Lithium sulfate monohydrate	0.1 M	HEPES	7.5	25 % w/v	Polyethylene glycol 3,350		7.3
G5	0.2 M	Lithium sulfate monohydrate	0.1 M	Tris	8.5	25 % w/v	Polyethylene glycol 3,350		8.6
G6	0.2 M	Ammonium acetate	0.1 M	BIS-TRIS	5.5	25 % w/v	Polyethylene glycol 3,350		6.1
G7	0.2 M	Ammonium acetate	0.1 M	BIS-TRIS	6.5	25 % w/v	Polyethylene glycol 3,350		6.7
G8	0.2 M	Ammonium acetate	0.1 M	HEPES	7.5	25 % w/v	Polyethylene glycol 3,350		7.4
G9	0.2 M	Ammonium acetate	0.1 M	Tris	8.5	25 % w/v	Polyethylene glycol 3,350		8.4
G10	0.2 M	Magnesium chloride hexahydrate	0.1 M	BIS-TRIS	5.5	25 % w/v	Polyethylene glycol 3,350		5.5
G11	0.2 M	Magnesium chloride hexahydrate	0.1 M	BIS-TRIS	6.5	25 % w/v	Polyethylene glycol 3,350		6.5
G12	0.2 M	Magnesium chloride hexahydrate	0.1 M	HEPES	7.5	25 % w/v	Polyethylene glycol 3,350		7.3
H1	0.2 M	Magnesium chloride hexahydrate	0.1 M	Tris	8.5	25 % w/v	Polyethylene glycol 3,350		8.4
H2	0.2 M	Potassium sodium tartrate tetrahydrate				20 % w/v	Polyethylene glycol 3,350		7.4
H3	0.2 M	Sodium malonate pH 7.0				20 % w/v	Polyethylene glycol 3,350		7.4
H4	0.2 M	Ammonium citrate tribasic pH 7.0				20 % w/v	Polyethylene glycol 3,350		7.0
H5	0.1 M	Succinic acid pH 7.0				15 % w/v	Polyethylene glycol 3,350		7.3
H6	0.2 M	Sodium formate				20 % w/v	Polyethylene glycol 3,350		7.3
H7	0.15 M	DL-Malic acid pH 7.0				20 % w/v	Polyethylene glycol 3,350		7.2
H8	0.1 M	Magnesium formate dihydrate				15 % w/v	Polyethylene glycol 3,350		6.9
H9	0.05 M	Zinc acetate dihydrate				20 % w/v	Polyethylene glycol 3,350		6.6
H10	0.2 M	Sodium citrate tribasic dihydrate				20 % w/v	Polyethylene glycol 3,350		8.3
H11	0.1 M	Potassium thiocyanate				30 % w/v	Polyethylene glycol monomethyl ether 2,000		6.8
H12	0.15 M	Potassium bromide				30 % w/v	Polyethylene glycol monomethyl ether 2,000		6.8