



HELIX™ HT-96 / FX-96

Wells A1–D12

MD1-69 / MD1-69-FX

Well #	Conc.	Salt 1	Conc.	Salt 2	Conc.	Additive 1	Conc.	Additive 2	Conc.	Buffer	pH	Conc.	Precipitant
A1	0.05 M	Potassium chloride	0.1 M	Lithium chloride	0.012 M	Spermine tetrahydrochloride			0.05 M	MES	6.5	25 % v/v	PEG 400
A2					0.001 M	Spermine tetrahydrochloride			0.05 M	MES	6.5	25 % v/v	PEG 400
A3	0.1 M	Sodium chloride	0.05 M	Lithium chloride	0.01 M	Magnesium chloride hexahydrate			0.05 M	MES	6.5	25 % v/v	PEG 400
A4	0.2 M	Potassium chloride			0.005 M	Hexammine cobalt(III) chloride			0.05 M	MES	6.5	25 % v/v	PEG 400
A5	0.1 M	Lithium chloride			0.01 M	Manganese(II) chloride tetrahydrate			0.05 M	MES	6.5	25 % v/v	PEG 400
A6	0.1 M	Sodium chloride			0.005 M	Strontium chloride hexahydrate			0.05 M	MES	6.5	25 % v/v	PEG 400
A7	0.05 M	Potassium chloride	0.1 M	Lithium chloride	0.012 M	Spermine tetrahydrochloride			0.05 M	MES	6.5	35 % v/v	MPD
A8					0.001 M	Spermine tetrahydrochloride			0.05 M	MES	6.5	35 % v/v	MPD
A9	0.1 M	Sodium chloride	0.1 M	Lithium chloride	0.01 M	Magnesium chloride hexahydrate			0.05 M	MES	6.5	35 % v/v	MPD
A10	0.2 M	Potassium chloride			0.005 M	Hexammine cobalt(III) chloride			0.05 M	MES	6.5	35 % v/v	MPD
A11	0.1 M	Lithium chloride			0.01 M	Manganese(II) chloride tetrahydrate			0.05 M	MES	6.5	35 % v/v	MPD
A12	0.1 M	Sodium chloride			0.005 M	Strontium chloride hexahydrate			0.05 M	MES	6.5	35 % v/v	MPD
B1	0.05 M	Potassium chloride	0.1 M	Lithium chloride	0.012 M	Spermine tetrahydrochloride			0.05 M	MES	6.5	17 % w/v	PEG 4000
B2					0.001 M	Spermine tetrahydrochloride			0.05 M	MES	6.5	17 % w/v	PEG 4000
B3	0.1 M	Sodium chloride	0.05 M	Lithium chloride	0.01 M	Magnesium chloride hexahydrate			0.05 M	MES	6.5	17 % w/v	PEG 4000
B4	0.2 M	Potassium chloride			0.005 M	Hexammine cobalt(III) chloride			0.05 M	MES	6.5	17 % w/v	PEG 4000
B5	0.1 M	Lithium chloride			0.01 M	Manganese(II) chloride tetrahydrate			0.05 M	MES	6.5	17 % w/v	PEG 4000
B6	0.1 M	Sodium chloride			0.005 M	Strontium chloride hexahydrate			0.05 M	MES	6.5	17 % w/v	PEG 4000
B7	0.05 M	Potassium chloride	0.1 M	Lithium chloride	0.012 M	Spermine tetrahydrochloride			0.05 M	MES	6.5	2.6 M	Sodium malonate dibasic monohydrate
B8					0.001 M	Spermine tetrahydrochloride			0.05 M	MES	6.5	2.6 M	Sodium malonate dibasic monohydrate
B9	0.1 M	Sodium chloride	0.05 M	Lithium chloride	0.01 M	Magnesium chloride hexahydrate			0.05 M	MES	6.5	2.6 M	Sodium malonate dibasic monohydrate
B10	0.2 M	Potassium chloride			0.005 M	Hexammine cobalt(III) chloride			0.05 M	MES	6.5	2.6 M	Sodium malonate dibasic monohydrate
B11	0.1 M	Lithium chloride			0.01 M	Manganese(II) chloride tetrahydrate			0.05 M	MES	6.5	2.6 M	Sodium malonate dibasic monohydrate
B12	0.1 M	Sodium chloride			0.002 M	Strontium chloride hexahydrate			0.05 M	MES	6.5	2.6 M	Sodium malonate dibasic monohydrate
C1	0.1 M	Ammonium sulfate							0.05 M	Bis-Tris	7.0	44 % v/v	PEG 200
C2	0.2 M	Potassium chloride			0.01 M	Calcium chloride dihydrate			0.05 M	Bis-Tris	7.0	40 % v/v	PEG 400
C3	0.1 M	Sodium chloride			0.002 M	Spermine tetrahydrochloride			0.05 M	Bis-Tris	7.0	37 % w/v	PEG 1000
C4	0.1 M	Sodium chloride	0.2 M	Potassium chloride	0.02 M	Magnesium chloride hexahydrate			0.05 M	Bis-Tris	7.0	35 % w/v	PEG 2000
C5	0.05 M	Potassium chloride			0.005 M	Spermine tetrahydrochloride			0.05 M	Bis-Tris	7.0	33 % w/v	PEG 3350
C6	0.1 M	Ammonium sulfate	0.1 M	Sodium chloride	1.0 M	Sodium formate			0.05 M	Bis-Tris	7.0	20 % w/v	PEG 8000
C7					1.0 M	Sodium formate			0.05 M	Bis-Tris	7.0	20 % w/v	PEG 20,000
C8	0.05 M	Lithium sulfate							0.05 M	Bis-Tris	7.0	40 % v/v	PEG 500 MME
C9	0.1 M	Sodium citrate tribasic dihydrate							0.05 M	Bis-Tris	7.0	40 % v/v	PEG 500 MME
C10	0.1 M	Ammonium sulfate			0.002 M	Spermine tetrahydrochloride			0.05 M	Bis-Tris	7.0	40 % v/v	MPD
C11									0.05 M	Bis-Tris	7.0	35 % v/v	MPD
C12	0.1 M	Sodium chloride			0.02 M	Magnesium chloride hexahydrate			0.05 M	Bis-Tris	7.0	30 % v/v	MPD
D1	0.1 M	Potassium chloride							0.05 M	Bis-Tris	7.0	27 % v/v	MPD
D2					5 % v/v	PEG 400			0.05 M	Bis-Tris	7.0	24 % v/v	MPD
D3	0.2 M	Lithium sulfate							0.05 M	Bis-Tris	7.0	20 % v/v	MPD
D4					20 % v/v	Glycerol	5 % w/v	PEG 3350	0.05 M	Bis-Tris	7.0	1.0 M	Ammonium sulfate
D5					10 % v/v	Glycerol	5 % v/v	PEG 500 MME	0.05 M	Bis-Tris	7.0	1.2 M	Ammonium sulfate
D6					25 % v/v	Glycerol			0.05 M	Bis-Tris	7.0	1.4 M	Ammonium sulfate
D7	0.15 M	Potassium chloride			25 % v/v	Glycerol			0.05 M	Bis-Tris	7.0	1.6 M	Ammonium sulfate
D8	0.1 M	Sodium chloride			25 % v/v	Glycerol			0.05 M	Bis-Tris	7.0	1.8 M	Ammonium sulfate
D9					5 % v/v	PEG 400			0.05 M	Bis-Tris	7.0	2.0 M	Ammonium sulfate
D10	0.1 M	Potassium chloride							0.05 M	Bis-Tris	7.0	22 % w/v	PEG 2000 MME
D11	0.2 M	Lithium chloride							0.05 M	Bis-Tris	7.0	22 % w/v	PEG 2000 MME
D12	0.1 M	Sodium chloride							0.05 M	Bis-Tris	7.0	22 % w/v	PEG 2000 MME



HELIX™ HT-96 / FX-96

Wells E1–H12

MD1-69 / MD1-69-FX

Well #	Conc. Salt 1	Conc. Salt 2	Conc.	Additive 1	Conc.	Additive 2	Conc.	Buffer	pH	Conc.	Precipitant
E1	0.1 M Potassium chloride						0.05 M	HEPES	6.5	20 % v/v	MPD
E2			0.005 M	Spermine tetrahydrochloride			0.05 M	HEPES	6.5	10 % v/v	MPD
E3	0.1 M Sodium chloride	0.2 M Potassium chloride					0.05 M	HEPES	6.5	10 % v/v	MPD
E4	0.2 M Sodium chloride						0.05 M	HEPES	6.5	25 % v/v	MPD
E5	0.05 M Lithium sulfate						0.05 M	HEPES	6.5	15 % v/v	MPD
E6	0.3 M Sodium chloride						0.05 M	HEPES	6.5	30 % v/v	MPD
E7	0.05 M Sodium chloride		0.01 M	Magnesium chloride hexahydrate			0.05 M	HEPES	6.5	25 % v/v	PEG 400
E8	0.2 M Potassium chloride						0.05 M	Bis-Tris	7.0	10 % v/v	PEG 400
E9	0.05 M Lithium sulfate						0.05 M	HEPES	6.5	18 % w/v	PEG 1000
E10							0.05 M	Bis-Tris	7.0	1.5 M	Lithium sulfate
E11	0.1 M Sodium chloride	0.1 M Potassium chloride					0.05 M	HEPES	6.5	1.9 M	Lithium sulfate
E12			0.02 M	Magnesium chloride hexahydrate			0.05 M	Bis-Tris	7.0	15 % w/v	PEG 2000 MME
F1	0.05 M Lithium sulfate						0.05 M	HEPES	6.5	10 % w/v	PEG 2000 MME
F2							0.05 M	Bis-Tris	7.0	14 % w/v	PEG 2000 MME
F3	0.1 M Lithium chloride						0.05 M	Bis-Tris	7.0	10 % v/v	PEG 500 MME
F4	0.05 M Potassium chloride						0.05 M	Bis-Tris	7.0	1.1 M	Ammonium sulfate
F5	0.05 M Lithium sulfate						0.05 M	HEPES	6.5	1.4 M	Ammonium sulfate
F6	0.1 M Sodium chloride		0.01 M	Lithium chloride			0.05 M	HEPES	6.5	1.8 M	Ammonium sulfate
F7	0.3 M Lithium sulfate						0.05 M	Bis-Tris	7.0	18 % w/v	PEG 1000
F8	0.3 M Sodium chloride						0.05 M	HEPES	6.5	15 % w/v	PEG 1000
F9	0.25 M Potassium chloride						0.05 M	HEPES	6.5	12 % w/v	PEG 1000
F10	0.1 M Lithium sulfate						0.05 M	Bis-Tris	7.0	25 % v/v	PEG 350 MME
F11							0.05 M	HEPES	6.5	20 % v/v	PEG 350 MME
F12	0.05 M Lithium sulfate						0.05 M	HEPES	6.5	15 % v/v	PEG 350 MME
G1			0.005 M	Spermine tetrahydrochloride			0.05 M	Sodium acetate	4.5	18 % v/v	MPD
G2	0.1 M Sodium chloride						0.05 M	Sodium acetate	4.5	24 % v/v	MPD
G3	0.15 M Potassium chloride						0.05 M	Sodium acetate	4.5	32 % v/v	MPD
G4			0.01 M	Magnesium chloride hexahydrate			0.05 M	Sodium acetate	5.0	21 % v/v	MPD
G5	0.1 M Sodium chloride	0.1 M Potassium chloride	0.005 M	Spermine tetrahydrochloride			0.05 M	Sodium acetate	5.0	14 % v/v	MPD
G6			0.05 M	Lithium chloride			0.05 M	Sodium acetate	5.0	15 % v/v	PEG 400
G7							0.05 M	MES	5.5	21 % v/v	MPD
G8			0.02 M	Magnesium chloride hexahydrate			0.05 M	MES	5.5	21 % v/v	MPD
G9							0.05 M	MES	5.5	12 % w/v	PEG 2000
G10			0.02 M	Magnesium sulfate heptahydrate			0.05 M	MES	5.5	21 % v/v	MPD
G11			0.005 M	Spermine tetrahydrochloride			0.05 M	MES	5.5	15 % v/v	PEG 400
G12			10 % v/v	Glycerol			0.05 M	MES	5.5	1.5 M	Ammonium sulfate
H1	0.05 M Sodium chloride	0.1 M Potassium chloride	0.01 M	Calcium chloride dihydrate			0.05 M	Bis-Tris	7.0	25 % w/v	PEG 2000
H2	0.25 M Sodium chloride		0.005 M	Spermine tetrahydrochloride			0.05 M	Bis-Tris	7.0	20 % w/v	PEG 3350
H3	0.1 M Potassium chloride		0.005 M	Barium chloride dihydrate			0.05 M	Bis-Tris	7.0	12 % w/v	PEG 8000
H4	0.3 M Sodium chloride						0.05 M	Bis-Tris	7.0	8 % w/v	PEG 20,000
H5	0.05 M Sodium chloride	0.2 M Lithium chloride	0.01 M	Calcium chloride dihydrate			0.05 M	Bis-Tris	7.0	20 % w/v	PEG 2000
H6	0.1 M Potassium chloride		0.002 M	Spermine tetrahydrochloride			0.05 M	Bis-Tris	7.0	15 % w/v	PEG 2000 MME
H7	0.05 M Potassium chloride	0.1 M Lithium sulfate	0.02 M	Magnesium sulfate heptahydrate			0.05 M	Bis-Tris	7.0	15 % w/v	PEG 2000 MME
H8	0.1 M Sodium chloride		0.002 M	Barium chloride dihydrate			0.05 M	Bis-Tris	7.5	6 % w/v	PEG 20,000
H9	0.1 M Potassium chloride		0.002 M	Spermine tetrahydrochloride			0.05 M	Bis-Tris	7.5	7 % w/v	PEG 8000
H10	0.05 M Lithium sulfate		0.03 M	Magnesium sulfate heptahydrate			0.05 M	Bis-Tris	8.0	15 % w/v	PEG 3350
H11	0.2 M Sodium chloride						0.05 M	Bis-Tris	8.5	9 % w/v	PEG 3350
H12			0.052 M	Magnesium chloride hexahydrate			0.05 M	Bis-Tris	8.5	18 % w/v	PEG 3350