OptiTherm™ Reagents

Well #	Row	Col	Buffer#	Conc	unit	pH	Additive NAME	Conc	unit
1	A	1	Glycine	100	mM	3.0			
2	A	2	Citric Acid	100	mM	3.2			
3	A	3	PIPPS	100	mM	3.7			
4	A	4	Citric Acid	100	mM	4.0			
5	A	5	Sodium Acetate	100	mM	4.5			
6	A	6	Na/K Phosphate	100	mM	5.0			
7	A	7	Sodium Citrate	100	mM	5.5			
8	A	8	Na/K Phosphate	100	mM	6.0			
9	A	9	Bis-Tris	100	mM	6.0			
10	A	10	MES	100	mM	6.2			
11	A	11	ADA	100	mM	6.5			
12	A	12	Bis-Tris Propane	100	mM	6.5			
13	B	1	Ammonium Acetate	100	mM	7.0			
14	B	2	MOPS	100	mM	7.0			
15	B	3	Na/K Phosphate	100	mM	7.0			
16	B	4	HEPES	100	mM	7.5			
17	B	5	Tris	100	mM	7.5			
18	B	6	EPPS	100	mM	8.0			
19	B	7	Imidazole	100	mM	8.0			
20	B	8	Bicine	100	mM	8.5			
21	B	9	Tris	100	mM	8.5			
22	B	10	CHES	100	mM	9.0			
23	B	11	CHES	100	mM	9.5			
24	B	12	CAPS	100	mM	10.0			
25	C	1	Glycine	50	mM	3.0	NaCl	150	mM
26	C	2	Sodium Acetate	50	mM	4.5	NaCl	150	mM
27	C	3	Bis-Tris	50	mM	6.0	NaCl	150	mM
28	C	4	MOPS	50	mM	7.0	NaCl	150	mM
29	C	5	Imidazole	50	mM	8.0	NaCl	150	mM
30	C	6	CHES	50	mM	9.5	NaCl	150	mM
31	C	7	Citric Acid	50	mM	3.2	NaCl	500	mM
32	C	8	Na/K Phosphate	50	mM	5.0	NaCl	500	mM
33	C	9	ADA	50	mM	6.5	NaCl	500	mM
34	C	10	HEPES	50	mM	7.5	NaCl	500	mM
35	C	11	Tris	50	mM	8.5	NaCl	500	mM
36	C	12	CAPS	50	mM	10.0	NaCl	500	mM
37	D	1	Glycine	50	mM	3.0	Trehalose	1.0	M
38	D	2	Sodium Acetate	50	mM	4.5	Trehalose	1.0	M
39	D	3	Bis-Tris	50	mM	6.0	Trehalose	1.0	M
40	D	4	MOPS	50	mM	7.0	Trehalose	1.0	M
41	D	5	Imidazole	50	mM	8.0	Trehalose	1.0	M
42	D	6	CHES	50	mM	9.5	Trehalose	1.0	M
43	D	7	Citric Acid	50	mM	3.2	TMAO	500	mM
44	D	8	Na/K Phosphate	50	mM	5.0	TMAO	500	mM
45	D	9	ADA	50	mM	6.5	TMAO	500	mM
46	D	10	HEPES	50	mM	7.5	TMAO	500	mM
47	D	11	Tris	50	mM	8.5	TMAO	500	mM
48	D	12	CAPS	50	mM	10.0	TMAO	500	mM

Well #	Row	Col	Buffer#	Conc	unit	pH	Additive NAME	Conc	unit
49	E	1	Glycine	50	mM	3.0	Na_2SO_4	500	mM
50	E	2	Sodium Acetate	50	mM	4.5	Na_2SO_4	500	mM
51	E	3	Bis-Tris	50	mM	6.0	Na_2SO_4	500	mM
52	E	4	MOPS	50	mM	7.0	Na_2SO_4	500	mM
53	E	5	Imidazole	50	mM	8.0	Na_2SO_4	500	mM
54	E	6	CHES	50	mM	9.5	Na_2SO_4	500	mM
55	E	7	Citric Acid	50	mM	3.2	Arg/Glu*	50	mM
56	E	8	Na/K Phosphate	50	mM	5.0	Arg/Glu*	50	mM
57	E	9	ADA	50	mM	6.5	Arg/Glu*	50	mM
58	E	10	HEPES	50	mM	7.5	Arg/Glu*	50	mM
59	E	11	Tris	50	mM	8.5	Arg/Glu*	50	mM
60	E	12	CAPS	50	mM	10.0	Arg/Glu*	50	mM
61	F	1	Glycine	50	mM	3.0	Tween 20	1	% (w/v)
62	F	2	Sodium Acetate	50	mM	4.5	Tween 20	1	% (w/v)
63	F	3	Bis-Tris	50	mM	6.0	Tween 20	1	% (w/v)
64	F	4	MOPS	50	mM	7.0	Tween 20	1	% (w/v)
65	F	5	Imidazole	50	mM	8.0	Tween 20	1	% (w/v)
66	F	6	CHES	50	mM	9.5	Tween 20	1	% (w/v)
67	F	7	Citric Acid	50	mM	3.2	Solubilisin™	100	% (w/v)
68	F	8	Na/K Phosphate	50	mM	5.0	Solubilisin™	100	% (w/v)
69	F	9	ADA	50	mM	6.5	Solubilisin™	100	% (w/v)
70	F	10	HEPES	50	mM	7.5	Solubilisin™	100	% (w/v)
71	F	11	Tris	50	mM	8.5	Solubilisin™	100	% (w/v)
72	F	12	CAPS	50	mM	10.0	Solubilisin™	100	% (w/v)
73	G	1	Glycine	50	mM	3.0	Glycerol	20	% (w/v)
74	G	2	Sodium Acetate	50	mM	4.5	Glycerol	20	% (w/v)
75	G	3	Bis-Tris	50	mM	6.0	Glycerol	20	% (w/v)
76	G	4	MOPS	50	mM	7.0	Glycerol	20	% (w/v)
77	G	5	Imidazole	50	mM	8.0	Glycerol	20	% (w/v)
78	G	6	CHES	50	mM	9.5	Glycerol	20	% (w/v)
79	G	7	Citric Acid	50	mM	3.2	Betaine	2	M
80	G	8	Na/K Phosphate	50	mM	5.0	Betaine	2	M
81	G	9	ADA	50	mM	6.5	Betaine	2	M
82	G	10	HEPES	50	mM	7.5	Betaine	2	M
83	G	11	Tris	50	mM	8.5	Betaine	2	M
84	G	12	CAPS	50	mM	10.0	Betaine	2	M
85	H	1	H2O	100	%				
86	H	2	H2O	100	%				
87	H	3							
88	H	4					AmSulfate	3	M
89	H	5					Acetonitrile	80	% (v/v)
90	H	6	PEG 1450	10	%		NaCl	50	mM
91	H	7					DDT	1	mM
92	H	8					DDT	5	mM
93	H	9					DDT	15	mM
94	H	10					BME	2.5	mM
95	H	11					BME	10	mM
96	H	12					BME	20	mM

Abbreviations: TMAO, Trimethylamine N-Oxide; PIPPS, Piperazine-N, n'-Bis (3-Propanesulfonic Acid); MES, 2-(N-morpholino) ethanesulfonic acid; MOPS, 3-(N-morpholino) propanesulfonic acid; HEPES, 4-(2-hydroxy-ethyl)-1-piperazineethanesulfonic acid; Arg/Glu*: 50mM of each Arginine and Glutamate; DDT, DL-Dithiothreitol; BME, 2-Mercaptoethanol; Betaine, Trimethyl-Glycine; CAPS, N-cyclohexyl-3-amino-propanesulfonic acid; ADA, N-(2-Acetamido)iminodiacetic Acid; Tris, tris(hydroxymethyl)aminomethane; CHES, 2-(N-Cyclohexylamino)ethane Sulfonic Acid; EPPS, N-(2-hyroxyethyl)piperazine-N'-(3-propanesulfonic acid). # pH values for buffers used only; * each amino acid is 50 mM