

JCSG +

	1	2	3	4	5	6	7	8	9	10	11	12
A	1	9	17	25	33	41	49	57	65	73	81	89
B	2	10	18	26	34	42	50	58	66	74	82	90
C	3	11	19	27	35	43	51	59	67	75	83	91
D	4	12	20	28	36	44	52	60	68	76	84	92
E	5	13	21	29	37	45	53	61	69	77	85	93
F	6	14	22	30	38	46	54	62	70	78	86	94
G	7	15	23	31	39	47	55	63	71	79	87	95
H	8	16	24	32	40	48	56	64	72	80	88	96

The JCSG+ (Qiagen)

	Salt 1	Salt 2	Salt 3	Salt 4	Buffer	Precipitant 1	Precipitant 2	
1	0.2 M Lithium sulfate				0.1 M Sodium acetate pH 4.5	50 %w/v PEG 400		A1
2					0.1 M tri-Sodium citrate pH 5.5	20 %w/v PEG 3000		B1
3	0.2 M di-Ammonium citrate pH 5.0					20 %w/v PEG 3350		C1
4	0.02 M Calcium chloride				0.1 M Sodium acetate pH 4.6	30 %v/v MPD		D1
5	0.2 M Magnesium formate pH 5.9					20 %w/v PEG 3350		E1
6	0.2 M Lithium sulfate				0.1 M Phosphate-citrate pH 4.2	20 %w/v PEG 1000		F1
7					0.1 M CHES pH 9.5	20 %w/v PEG 8000		G1
8	0.2 M Ammonium formate pH 6.6					20 %w/v PEG 3350		H1
9	0.2 M Ammonium chloride pH 6.3					20 %w/v PEG 3350		A2
10	0.2 M Potassium formate pH 7.3					20 %w/v PEG 3350		B2
11	0.2 M Ammonium phosphate				0.1 M TRIS pH 8.5	50 %v/v MPD		C2
12	0.2 M Potassium nitrate pH 6.9					20 %w/v PEG 3350		D2
13	0.8 M Ammonium sulfate				0.1 M Citric acid pH 4			E2
14	0.2 M Sodium thiocyanate pH 6.9					20 %w/v PEG 3350		F2
15					0.1 M BICINE pH 9	20 %w/v PEG 6000		G2
16					0.1 M HEPES pH 7.5	10 %w/v PEG 8000	8 %v/v Ethylene glycol	H2
17					0.1 M Sodium cacodylate pH 6.5	40 %v/v MPD	5 %w/v PEG 8000	A3
18					0.1 M Phosphate-citrate pH 4.2	40 %v/v Ethanol	5 %w/v PEG 1000	B3
19					0.1 M Sodium acetate pH 4.6	8 %w/v PEG 4000		C3

20	0.2 M Magnesium chloride			0.1 M TRIS pH 7	10 %w/v PEG 8000		D3
21				0.1 M Citric acid pH 5	20 %w/v PEG 6000		E3
22	0.2 M Magnesium chloride			0.1 M Sodium cacodylate pH 6.5	50 %v/v PEG 200		F3
23	1.6 M tri-Sodium citrate						G3
24	0.2 M tri-Potassium citrate pH 8.3				20 %w/v PEG 3350		H3
25	0.2 M Sodium chloride			0.1 M Phosphate-citrate pH 4.2	20 %w/v PEG 8000		A4
26	1 M Lithium chloride			0.1 M Citric acid pH 4	20 %w/v PEG 6000		B4
27	0.2 M Ammonium nitrate pH 6.3				20 %w/v PEG 3350		C4
28				0.1 M HEPES pH 7	10 %w/v PEG 6000		D4
29				0.1 M HEPES pH 7.5	0.8 M Sodium phosphate	0.8 M K phosphate	E4
30				0.1 M Phosphate-citrate pH 4.2	40 %v/v PEG 300		F4
31	0.2 M Zinc acetate			0.1 M Sodium acetate pH 4.5	10 %w/v PEG 3000		G4
32				0.1 M TRIS pH 8.5	20 %v/v Ethanol		H4
33				0.1 M Na/K phosphate pH 6.2	25 %v/v 1,2 propandiol	10 %v/v Glycerol	A5
34				0.1 M BICINE pH 9	10 %w/v PEG 20000	2 %v/v Dioxane	B5
35	2 M Ammonium sulfate			0.1 M Sodium acetate pH 4.6			C5
36					10 %w/v PEG 1000	10% w/v PEG 8000	D5
37					24 %w/v PEG 1500	20% w/v glycerol	E5
38	0.2 M Magnesium chloride			0.1 M HEPES pH 7.5	30 %v/v PEG 400		F5
39	0.2 M Sodium chloride			0.1 M Na/K phosphate pH 6.2	50 %v/v PEG 200		G5
40	0.2 M Lithium sulfate			0.1 M Sodium acetate pH 4.5	30 %w/v PEG 8000		H5
41				0.1 M HEPES pH 7.5	70 %v/v MPD		A6
42	0.2 M Magnesium chloride			0.1 M TRIS pH 8.5	20 %w/v PEG 8000		B6
43	0.2 M Lithium sulfate			0.1 M TRIS pH 8.5	40 %v/v PEG 400		C6
44				0.1 M TRIS pH 8	40 %v/v MPD		D6
45	0.17 M Ammonium sulfate				25,5 %w/v PEG 4000	15 %v/v Glycerol	E6
46	0.2 M Calcium acetate			0.1 M Sodium cacodylate pH 6.5	40 %v/v PEG 300		F6
47	0.14 M Calcium chloride			0.07 M Sodium acetate pH 4.6	14 %v/v Isopropanol	30 %v/v Glycerol	G6
48	0.04 M Potassium phosphate				16 %w/v PEG 8000	20 %v/v Glycerol	H6
49	1 M tri-Sodium citrate			0.1 M Sodium cacodylate pH 6.5			A7
50	0.2 M Sodium chloride			0.1 M Sodium cacodylate pH 6.5	2 M Ammonium sulfate		B7
51	0.2 M Sodium chloride			0.1 M HEPES pH 7.5	10 %v/v Isopropanol		C7
52	0.2 M Lithium sulfate			0.1 M TRIS pH 8.5	1,26 M Ammonium sulfate		D7
53				0.1 M CAPS pH 10.5	40 %v/v MPD		E7
54	0.2 M Zinc acetate			0.1 M Imidazole pH 8	20 %w/v PEG 3000		F7

55	0.2 M Zinc acetate				0.1 M Sodium cacodylate pH 6.5	10 %v/v Isopropanol		G7
56	1 M di-Ammonium phosphate				0.1 M Sodium acetate pH 4.5			H7
57	1.6 M Magnesium sulfate				0.1 M MES pH 6.5			A8
58					0.1 M BICINE pH 9	10 %w/v PEG 6000		B8
59	0.16 M Calcium acetate				0.08 M Sodium cacodylate pH 6.5	14,4 %w/v PEG 8000	20 %v/v Glycerol	C8
60					0.1 M Imidazole pH 8	10 %w/v PEG 8000		D8
61	0.05 M Cesium chloride				0.1 M MES pH 6.5	30 %w/v Jeffamine M-600		E8
62	3.15 M Ammonium sulfate				0.1 M Citric acid pH 5			F8
63					0.1 M TRIS pH 8	20 %v/v MPD		G8
64					0.1 M HEPES pH 7.5	20 %w/v Jeffamine M-600		H8
65	0.2 M Magnesium chloride				0.1 M TRIS pH 8.5	50 %v/v Ethylene glycol		A9
66					0.1 M BICINE pH 9	10 %v/v MPD		B9
67	0.8 M Succinic acid pH 7.0							C9
68	2.1 M DL-Malic acid pH 7.0							D9
69	2.4 M Sodium malonate pH 7.0							E9
70	1.1 M Sodium malonate pH 7.0				0.1 M HEPES pH 7	0,5 %v/v Jeffamine ED-2001 pH 7.0		F9
71	1 M Succinic acid pH 7.0				0.1 M HEPES pH 7	1 %w/v PEG MME 2000		G9
72					0.1 M HEPES pH 7	30 %v/v Jeffamine M-600 pH 7.0		H9
73					0.1 M HEPES pH 7	30 %v/v Jeffamine ED-2001 pH 7.0		A10
74	0.02 M Magnesium chloride				0.1 M HEPES pH 7.5	22 %w/v Polyacrylic acid 5100 Na salt		B10
75	0.1 M Cobalt chloride				0.1 M TRIS pH 8.5	20 %w/v Polyvinylpyrrolidone K15		C10
76	0.2 M Trimethylamine N-oxide				0.1 M TRIS pH 8.5	20 %w/v PEG MME 2000		D10
77	0.005 M Cobalt chloride	5 μ M Cd Chloride	5 μ M Mg chloride	5 μ M Ni chloride	0.1 M HEPES pH 7.5	12 %w/v PEG 3350		E10
78	0.2 M Sodium malonate pH 7.0					20 %w/v PEG 3350		F10
79	0.1 M Succinic acid pH 7.0					15 %w/v PEG 3350		G10
80	0.15 M DL-Malic acid pH 7.0					20 %w/v PEG 3350		H10
81	0.1 M Potassium thiocyanate					30 %w/v PEG MME 2000		A11
82	0.15 M Potassium bromide					30 %w/v PEG MME 2000		B11
83	2 M Ammonium sulfate				0.1 M bis-TRIS pH 5.5			C11
84	3 M Sodium chloride				0.1 M bis-TRIS pH 5.5			D11
85	0.3 M Magnesium formate				0.1 M bis-TRIS pH 5.5			E11
86	1 M Ammonium sulfate				0.1 M bis-TRIS pH 5.5	1 %w/v PEG 3350		F11
87					0.1 M bis-TRIS pH 5.5	25 %w/v PEG 3350		G11
88	0.2 M Calcium chloride				0.1 M bis-TRIS pH 5.5	45 %v/v MPD		H11
89	0.2 M Ammonium acetate				0.1 M bis-TRIS pH 5.5	45 %v/v MPD		A12

90	0.1 M Ammonium acetate			0.1 M bis-TRIS pH 5.5	17 %w/v PEG 10,000		B12
91	0.2 M Ammonium sulfate			0.1 M bis-TRIS pH 5.5	25 %w/v PEG 3350		C12
92	0.2 M Sodium chloride			0.1 M bis-TRIS pH 5.5	25 %w/v PEG 3350		D12
93	0.2 M Lithium sulfate			0.1 M bis-TRIS pH 5.5	25 %w/v PEG 3350		E12
94	0.2 M Ammonium acetate			0.1 M bis-TRIS pH 5.5	25 %w/v PEG 3350		F12
95	0.2 M Magnesium chloride			0.1 M bis-TRIS pH 5.5	25 %w/v PEG 3350		G12
96	0.2 M Ammonium acetate			0.1 M HEPES pH 7.5	45 %v/v MPD		H12