

Well #	Chemical	[Assay]	[Formulation]	M _r	Type
1. (A1)	Water (Type 1+ ultrapure grade water)	100% v/v	100% v/v	18.02	Water Control
2. (A2)	Trichloroacetic acid	15% w/v	75% w/v	163.39	Precipitate Control
3. (A3)	L-Arginine	25-125 mM	250 mM	174.20	Amino Acid / Derivative
4. (A4)	L-Arginine, L-Glutamic acid	25-125 mM	250 mM / 250 mM	174.20 / 147.13	Amino Acid / Derivative
5. (A5)	Glycine	50-250 mM	500 mM	75.07	Amino Acid / Derivative
6. (A6)	L-Proline	50-250 mM	500 mM	115.13	Amino Acid / Derivative
7. (A7)	L-Histidine	12-60 mM	120 mM	155.16	Amino Acid / Derivative
8. (A8)	β-Alanine	50-250 mM	500 mM	89.09	Amino Acid / Derivative
9. (A9)	L-Serine	50-250 mM	500 mM	105.09	Amino Acid / Derivative
10. (A10)	L-Arginine ethyl ester dihydrochloride	50-250 mM	500 mM	275.18	Amino Acid / Derivative
11. (A11)	L-Arginamide dihydrochloride	50-250 mM	500 mM	246.14	Amino Acid / Derivative
12. (A12)	6-Aminohexanoic acid	50-250 mM	500 mM	131.18	Amino Acid / Derivative
13. (B1)	Gly-gly	50-250 mM	500 mM	132.12	Peptide
14. (B2)	Gly-gly-gly	20-100 mM	200 mM	189.17	Peptide
15. (B3)	Tryptone	0.5-2.5% w/v	5% w/v	N/A	Peptide
16. (B4)	Betaine monohydrate	250-1,250 mM	2,500 mM	135.16	Osmolyte
17. (B5)	D-(+)-Trehalose dihydrate	75-375 mM	750 mM	378.33	Osmolyte
18. (B6)	Xylitol	200-1,000 mM	2,000 mM	152.15	Osmolyte
19. (B7)	D-Sorbitol	200-1,000 mM	2,000 mM	182.17	Osmolyte
20. (B8)	Sucrose	200-1,000 mM	2,000 mM	342.30	Osmolyte
21. (B9)	Hydroxyectoine	50-250 mM	500 mM	158.16	Osmolyte
22. (B10)	Trimethylamine N-oxide dihydrate	250-1,250 mM	2,500 mM	111.14	Osmolyte
23. (B11)	Methyl α-D-glucopyranoside	200-1,000 mM	2,000 mM	194.18	Osmolyte
24. (B12)	Triethylene glycol	1-5% v/v	10% v/v	150.18	Osmolyte
25. (C1)	Spermine tetrahydrochloride	50-250 mM	500 mM	348.19	Polyamine
26. (C2)	Spermidine	50-250 mM	500 mM	145.25	Polyamine
27. (C3)	5-Aminovaleric acid	50-250 mM	500 mM	117.15	Linker
28. (C4)	Glutaric acid	50-250 mM	500 mM	132.12	Linker
29. (C5)	Adipic acid	8-40 mM	80 mM	146.14	Linker
30. (C6)	Ethylenediamine dihydrochloride	50-250 mM	500 mM	133.02	Linker
31. (C7)	Guanidine hydrochloride	50-250 mM	500 mM	95.53	Chaotrope
32. (C8)	Urea	50-250 mM	500 mM	60.06	Chaotrope
33. (C9)	N-Methylurea	50-250 mM	500 mM	74.08	Chaotrope
34. (C10)	N-Ethylurea	20-100 mM	200 mM	88.11	Chaotrope
35. (C11)	N-Methylformamide	3-15% w/v	30% w/v	59.07	Chaotrope
36. (C12)	Hypotaurine	0.3-1.5% w/v	3% w/v	109.15	Chaotrope
37. (D1)	TCEP hydrochloride	10-50 mM	100 mM	286.65	Reducing Agent
38. (D2)	GSH (L-Glutathione reduced), GSSG (L-Glutathione oxidized)	1-5 mM	10 mM / 10 mM	307.33 / 612.64	Reducing Agent
39. (D3)	Benzamidine hydrochloride	0.5-2.5% w/v	5% w/v	156.62	Inhibitor
40. (D4)	Ethylenediaminetetraacetic acid disodium salt dihydrate	10-50 mM	100 mM	372.24	Chelator
41. (D5)	Magnesium chloride hexahydrate, Calcium chloride dihydrate	10-50 mM	100 mM / 100 mM	203.30 / 147.01	Metal
42. (D6)	Cadmium chloride hydrate, Cobalt(II) chloride hexahydrate	10-50 mM	100 mM / 100 mM	183.32 / 237.93	Metal
43. (D7)	Non Detergent Sulfobetaine 195 (NDSB-195)	100-500 mM	1,000 mM	195.3	Non Detergent
44. (D8)	Non Detergent Sulfobetaine 201 (NDSB-201)	100-500 mM	1,000 mM	201.2	Non Detergent
45. (D9)	Non Detergent Sulfobetaine 211 (NDSB-211)	100-500 mM	1,000 mM	211.28	Non Detergent
46. (D10)	Non Detergent Sulfobetaine 221 (NDSB-221)	100-500 mM	1,000 mM	221.3	Non Detergent
47. (D11)	Non Detergent Sulfobetaine 256 (NDSB-256)	100-500 mM	1,000 mM	257.4	Non Detergent
48. (D12)	Taurine	50-250 mM	500 mM	125.15	Organic Acid

Reagents formulated in Type 1+ ultrapure grade water, no pH adjustment.

Well #	Chemical	[Assay]	[Formulation]	M _r	Type
49.(E1)	Acetamide	50-250 mM	500 mM	59.07	Organic Acid
50.(E2)	Oxalic acid dihydrate	50-250 mM	500 mM	126.07	Organic Acid
51.(E3)	Sodium malonate pH 7.0	50-250 mM	500 mM	104.06	Organic Acid
52.(E4)	Succinic acid pH 7.0	50-250 mM	500 mM	118.09	Organic Acid
53.(E5)	Tacsimate pH 7.0	0.5-2.5% v/v	5% v/v	N/A	Organic Acid
54.(E6)	Tetraethylammonium bromide	2.5-12.5% w/v	25% w/v	210.16	Ionic Liquid
55.(E7)	Cholin acetate	2.5-12.5% w/v	25% w/v	163.22	Ionic Liquid
56.(E8)	1-Ethyl-3-methylimidazolium acetate	2.5-12.5% w/v	25% w/v	170.21	Ionic Liquid
57.(E9)	1-Butyl-3-methylimidazolium chloride	2.5-12.5% w/v	25% w/v	174.67	Ionic Liquid
58.(E10)	Ethylammonium nitrate	2.5-12.5% w/v	25% w/v	108.11	Ionic Liquid
59.(E11)	Ammonium sulfate	50-250 mM	500 mM	132.14	Salt
60.(E12)	Ammonium chloride	50-250 mM	500 mM	53.49	Salt
61.(F1)	Magnesium sulfate hydrate	50-250 mM	500 mM	120.37	Salt
62.(F2)	Potassium thiocyanate	50-250 mM	500 mM	97.18	Salt
63.(F3)	Gadolinium(III) chloride hexahydrate	25-125 mM	250 mM	371.70	Salt
64.(F4)	Cesium chloride	25-125 mM	250 mM	168.36	Salt
65.(F5)	4-Aminobutyric acid (GABA)	25-125 mM	250 mM	103.12	Salt
66.(F6)	Lithium nitrate	50-250 mM	500 mM	68.95	Salt
67.(F7)	DL-Malic acid pH 7.0	50-250 mM	500 mM	134.09	Salt
68.(F8)	Lithium citrate tribasic tetrahydrate	50-250 mM	500 mM	281.99	Salt
69.(F9)	Ammonium acetate	25-125 mM	250 mM	77.08	Salt
70.(F10)	Sodium benzenesulfonate	25-125 mM	250 mM	180.16	Salt
71.(F11)	Sodium p-toluenesulfonate	25-125 mM	250 mM	194.18	Salt
72.(F12)	Sodium chloride	100-500 mM	1,000 mM	58.44	Salt
73.(G1)	Potassium chloride	100-500 mM	1,000 mM	74.55	Salt
74.(G2)	Sodium phosphate monobasic monohydrate, Potassium phosphate dibasic	70-350 mM / 130-650 mM	700 mM / 1,300 mM	137.99 / 174.18	Salt
75.(G3)	Sodium sulfate decahydrate	100-500 mM	1,000 mM	322.20	Salt
76.(G4)	Lithium chloride	100-500 mM	1,000 mM	42.39	Salt
77.(G5)	Sodium bromide	100-500 mM	1,000 mM	102.89	Salt
78.(G6)	Glycerol, Lithium chloride	4-20% v/v / 40-200 mM	40% v/v / 400 mM	92.09 / 42.39	Polyol and Salt
79.(G7)	Glycerol	5-25% v/v	50% v/v	92.09	Polyol
80.(G8)	Ethylene glycol	1-5% v/v	10% v/v	62.07	Polyol
81.(G9)	Polyethylene glycol 200	1-5% v/v	10% v/v	~ 200	Polyol
82.(G10)	Polyethylene glycol monomethyl ether 550	1-2.5% v/v	5% v/v	~ 550	Polyol
83.(G11)	Polyethylene glycol monomethyl ether 750	1-2.5% w/v	5% w/v	~ 750	Polyol
84.(G12)	Formamide	5-25% v/v	50% v/v	45.04	Polyol
85.(H1)	Polypropylene glycol P 400	5-25% v/v	50% v/v	N/A	Polyol
86.(H2)	Pentaerythritol ethoxylate (15/4 EO/OH)	2.5-12.5% v/v	25% v/v	~ 797	Polyol
87.(H3)	1,2-Propanediol	1-5% w/v	10% w/v	76.09	Polyol
88.(H4)	Polyethylene glycol monomethyl ether 1,900	0.3-1.5% w/v	3% w/v	~ 1,900	Polymer
89.(H5)	Polyethylene glycol 3,350	0.3-1.5% w/v	3% w/v	3,300-3,400	Polymer
90.(H6)	Polyethylene glycol 8,000	0.3-1.5% w/v	3% w/v	7,000-9,000	Polymer
91.(H7)	Polyvinylpyrrolidone K 15	0.2-1% w/v	2% w/v	~ 10,000	Polymer
92.(H8)	6-O- α -D-Maltosyl- β -cyclodextrin	10-50 mM	100 mM	1,459.27	Cyclodextrin
93.(H9)	(2-Hydroxypropyl)- β -cyclodextrin	1-5 mM	10 mM	1,396	Cyclodextrin
94.(H10)	α -Cyclodextrin	8-40 mM	80 mM	972.86	Cyclodextrin
95.(H11)	β -Cyclodextrin	1-5 mM	10 mM	1,134.98	Cyclodextrin
96.(H12)	Methyl- β -cyclodextrin	5-25 mM	50 mM	1,320	Cyclodextrin

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Reagents formulated in Type 1+ ultrapure
 grade water, no pH adjustment.

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