Emerald BioSystems

Cat.# EBS-ADDIT-1

ADDit™ Additive screen - technical sheet

#	Salts/Ions	
1	ammonium sulfate	1M
2	barium chloride	0.1M
3	barium iodide	0.1M
4	cadmium chloride dihydrate	0.1M
5	calcium chloride dihydrate	0.2M
6	cesium chloride	1M
7	cobalt chloride dihydrate	0.1M
8	cupric chloride dihydrate	0.1M
9	gadolinium bromide	0.1M
10	holmium chloride	0.1M
11	lanthanum acetate	0.1M
12	lithium chloride	1M
13	lithium sulfate	1M
14	magnesium chloride hexahydrate	0.1M
15	manganese (II) chloride tetrahydrate	0.1M
16	potassium chloride	1M
17	potassium citrate	1M
18	samarium bromide, hexahydrate	0.1M
19	samarium chloride	0.1M
20	sodium chloride	2M
21	sodium fluoride	0.5M
22	sodium malonate	1M
23	yttrium chloride hexahydrate	0.1M
24	yttrium nitrate	0.1M

#	Volatile Organics/Solvents	
25	1-propanol	30%(v/v)
26	2-Butanol	5%(v/v)
27	2-Propanol	30%(v/v)
28	Acetonitrile	30%(v/v)
29	dioxane	30%(v/v)
30	DMSO	30%(v/v)
31	Ethanol	30%(v/v)
32	Ethyl Acetate	5%(v/v)
33	Methanol	30%(v/v)
34	N,N-Dimethylformamide	30%(v/v)
35	trifluoro acetic acid	0.1%(v/v)
36	trifluoroethanol	30%(v/v)

#	Non-Volatile Organics/Polymers	
37	1,2,3-heptanetriol	5%(w/v)
38	1,3 butanediol	30%(v/v)
39	1,3 propanediol	30%(v/v)
40	1,4 butanediol	30%(v/v)
41	1,5-diaminopentane di-HCl	30%(w/v)
42	1,6 hexanediol	30%(w/v)
43	1,8-diaminooctane	30%(w/v)
44	2,5 Hexanediol	30%(w/v)
45	6-aminocaproic acid	30%(w/v)
46	dextran sulfate sodium salt	30%(w/v)
47	ethylene glycol	30%(v/v)
48	gamma butyrolactone	30%(w/v)
49	glycerol anhydrous	30%(v/v)
50	glycine	1M
51	glycyl-glycyl-glycine	0.1M
52	jeffamine M-600	25%(v/v)
53	MPD	30%(v/v)
54	polyethylene glycol 10000	25%(w/v)
55	polyethylene glycol 2000 MME	25%(w/v)
56	polyethylene glycol 400	25%(v/v)
57	polyethylene glycol 4000	25%(w/v)
58	polyethylene imine	25%(v/v)
59	polypropylene glycol P400	25%(v/v)
60	polyvinylpyrrolidone K15	5%(w/v)

#	Detergents	
61	n-Dodecyl-b--D-maltoside	0.5%(w/v)
62	LDAO	0.5%(w/v)
63	Triton X-100	0.5%(v/v)
64	CTAB	1%(w/v)
65	Lauryl Sulfobetaine (Zwittergent 3-12)	0.5%(w/v)
66	b-Octylb-D-glucopyranoside	5%(w/v)
67	CHAPS	5%(w/v)
68	Polysorbate 80 (Tween 80)	1%(v/v)
69	Brij 56 (Polyoxyethylene 10 cetyl ether)	1%(w/v)
70	Zwittergent 3-10	0.5%(w/v)
71	ASB-14 (Amidosulfobetaine-14)	2%(w/v)
72	n-Octyltetraoxyethylene	1%(w/v)

#	Others (Chelators, Reducing Agents, Linkers, Chaotropes, etc.)	
73	NAD	0.1M
74	ATP disodium salt	0.1M
75	DTT	0.1M
76	N-Acetyl-L-Cysteine	0.1M
77	BME	0.1M
78	EDTA	0.1M
79	spermine	0.1M
80	spermine tetra-HCl	0.1M
81	hexaminecobalt trichloride	0.1M
82	trimethylamine HCl	0.1M
83	guanidine HCl	1M
84	urea	0.1M

#		
85	Phenol	1%(v/v)
86	benzamidine HCl	20%(w/v)
87	PIPES	0.3M
88	EPPS	0.3M
89	D(+)-glucose monohydrate	30%(w/v)
90	D(+)-sucrose	30%(w/v)
91	xylitol	30%(w/v)
92	imidazole	1M
93	arginine	0.25M
94	taurine	0.1M
95	betaine monohydrate	0.1M
96	non-detergent sulfo-betaine 201	2%(w/v)

All formulations are made with ultrapure ASTM Type I water and sterile-filtered stock solutions. For long-term storage, keep block at -20ºC.

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