Plate Information		General Information	Protein Information	Drop Information
Pre-filled Tool	☐	Date _____	Name _____	Protein vol _____ ul
Microplate	☐	Operator _____	[Protein] _____	Solution vol _____ ul
Deep Well	☐		Buffer _____	Additive vol _____ ul
Tubes	☐	Plate ID _____	Other _____	Other _____

Scoring Sheet - The MPDs

Date of observation

Well	Solution						
1 - (A1)	0.2 M Cd chloride, 40 %(v/v) MPD						
2 - (A2)	0.2 M K fluoride, 40 %(v/v) MPD						
3 - (A3)	0.2 M Amm fluoride, 40 %(v/v) MPD						
4 - (A4)	0.2 M Li chloride, 40 %(v/v) MPD						
5 - (A5)	0.2 M Mg chloride, 40 %(v/v) MPD						
6 - (A6)	0.2 M Na chloride, 40 %(v/v) MPD						
7 - (A7)	0.2 M Ca chloride, 40 %(v/v) MPD						
8 - (A8)	0.2 M K chloride, 40 %(v/v) MPD						
9 - (A9)	0.2 M Amm chloride, 40 %(v/v) MPD						
10 - (A10)	0.2 M Na iodide, 40 %(v/v) MPD						
11 - (A11)	0.2 M K iodide, 40 %(v/v) MPD						
12 - (A12)	0.2 M Amm iodide, 40 %(v/v) MPD						
13 - (B1)	0.2 M Na thiocyanate, 40 %(v/v) MPD						
14 - (B2)	0.2 M K thiocyanate, 40 %(v/v) MPD						
15 - (B3)	0.2 M Li nitrate, 40 %(v/v) MPD						
16 - (B4)	0.2 M Mg nitrate, 40 %(v/v) MPD						
17 - (B5)	0.2 M Na nitrate, 40 %(v/v) MPD						
18 - (B6)	0.2 M K nitrate, 40 %(v/v) MPD						
19 - (B7)	0.2 M Amm nitrate, 40 %(v/v) MPD						
20 - (B8)	0.2 M Zn sulfate, 40 %(v/v) MPD						
21 - (B9)	0.2 M Na formate, 40 %(v/v) MPD						
22 - (B10)	0.2 M K formate, 40 %(v/v) MPD						
23 - (B11)	0.2 M Amm formate, 40 %(v/v) MPD						
24 - (B12)	0.2 M Li acetate, 40 %(v/v) MPD						
25 - (C1)	0.2 M Mg acetate, 40 %(v/v) MPD						
26 - (C2)	0.2 M Na malonate, 40 %(v/v) MPD						
27 - (C3)	0.2 M Na acetate, 40 %(v/v) MPD						
28 - (C4)	0.2 M Ca acetate, 40 %(v/v) MPD						
29 - (C5)	0.2 M K acetate, 40 %(v/v) MPD						
30 - (C6)	0.2 M Amm acetate, 40 %(v/v) MPD						
31 - (C7)	0.2 M Li sulfate, 40 %(v/v) MPD						
32 - (C8)	0.2 M Mg sulfate, 40 %(v/v) MPD						
33 - (C9)	0.2 M Cesium chloride, 40 %(v/v) MPD						
34 - (C10)	0.2 M Ni chloride, 40 %(v/v) MPD						
35 - (C11)	0.2 M Amm sulfate, 40 %(v/v) MPD						
36 - (C12)	0.2 M di-Na tartate, 40 %(v/v) MPD						
37 - (D1)	0.2 M K/Na tartrate, 40 %(v/v) MPD						
38 - (D2)	0.2 M di-Amm tartrate, 40 %(v/v) MPD						
39 - (D3)	0.2 M Na phosphate, 40 %(v/v) MPD						
40 - (D4)	0.2 M K bromide, 40 %(v/v) MPD						
41 - (D5)	0.2 M Na bromide, 40 %(v/v) MPD						
42 - (D6)	0.2 M di-K phosphate, 40 %(v/v) MPD						
43 - (D7)	0.2 M Amm phosphate, 40 %(v/v) MPD						
44 - (D8)	0.2 M di-Amm phosphate, 40 %(v/v) MPD						
45 - (D9)	0.2 M tri-Li citrate, 40 %(v/v) MPD						
46 - (D10)	0.2 M tri-Na citrate, 40 %(v/v) MPD						
47 - (D11)	0.2 M tri-K citrate, 40 %(v/v) MPD						
48 - (D12)	0.2 M di-Amm citrate, 40 %(v/v) MPD						

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Pre-filled Tool	☐	Date _____	Name _____	Protein vol _____ ul
Microplate	☐	Operator _____	[Protein] _____	Solution vol _____ ul
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Tubes	☐	Plate ID _____	Other _____	Other _____

Scoring Sheet - The MPDs

Date of observation

Well	Solution						
49 - (E1)	0.1 M Citric acid pH 4.0, 10 %(v/v) MPD						
50 - (E2)	0.1 M Na acetate pH 5.0, 10 %(v/v) MPD						
51 - (E3)	0.1 M MES pH 6.0, 10 %(v/v) MPD						
52 - (E4)	0.1 M HEPES pH 7.0, 10 %(v/v) MPD						
53 - (E5)	0.1 M TRIS pH 8.0, 10 %(v/v) MPD						
54 - (E6)	0.1 M Bicine pH 9.0, 10 %(v/v) MPD						
55 - (E7)	0.1 M Citric acid pH 4.0, 20 %(v/v) MPD						
56 - (E8)	0.1 M Na acetate pH 5.0, 20 %(v/v) MPD						
57 - (E9)	0.1 M MES pH 6.0, 20 %(v/v) MPD						
58 - (E10)	0.1 M HEPES pH 7.0, 20 %(v/v) MPD						
59 - (E11)	0.1 M TRIS pH 8.0, 20 %(v/v) MPD						
60 - (E12)	0.1 M Bicine pH 9.0, 20 %(v/v) MPD						
61 - (F1)	0.1 M Citric acid pH 4.0, 40 %(v/v) MPD						
62 - (F2)	0.1 M Na acetate pH 5.0, 40 %(v/v) MPD						
63 - (F3)	0.1 M MES pH 6.0, 40 %(v/v) MPD						
64 - (F4)	0.1 M HEPES pH 7.0, 40 %(v/v) MPD						
65 - (F5)	0.1 M TRIS pH 8.0, 40 %(v/v) MPD						
66 - (F6)	0.1 M Bicine pH 9.0, 40 %(v/v) MPD						
67 - (F7)	0.1 M Citric acid pH 4.0, 65 %(v/v) MPD						
68 - (F8)	0.1 M Na acetate pH 5.0, 65 %(v/v) MPD						
69 - (F9)	0.1 M MES pH 6.0, 65 %(v/v) MPD						
70 - (F10)	0.1 M HEPES pH 7.0, 65 %(v/v) MPD						
71 - (F11)	0.1 M TRIS pH 8.0, 65 %(v/v) MPD						
72 - (F12)	0.1 M Bicine pH 9.0, 65 %(v/v) MPD						
73 - (G1)	0.1 M tri-Na citrate, 0.1 M HEPES.Na pH 7.5, 10 %(w/v) MPD						
74 - (G2)	0.05 M Mg chloride, 0.1 M TRIS.HCl pH 8.5, 12 %(w/v) MPD						
75 - (G3)	0.02 M Ca chloride, 0.1 M Na acetate pH 4.6, 15 %(w/v) MPD						
76 - (G4)	0.1 M Imidazole.HCl pH 8.0, 15 %(w/v) MPD, 5 %(w/v) PEG 4000						
77 - (G5)	0.2 M Amm acetate, 0.1 M Na citrate pH 5.6, 15 %(w/v) MPD						
78 - (G6)	0.2 M Mg acetate, 0.1 M MES.Na pH 6.5, 15 %(w/v) MPD						
79 - (G7)	0.2 M tri-Na citrate, 0.1 M HEPES.Na pH 7.5, 15 %(w/v) MPD						
80 - (G8)	0.1 M tri-Na citrate, 0.1 M HEPES.Na pH 7.5, 20 %(w/v) MPD						
81 - (G9)	0.1 M Imidazole.HCl pH 8.0, 20 %(w/v) MPD						
82 - (G10)	0.2 M Na chloride, 20 %(w/v) MPD, 4 %(w/v) Glyerol						
83 - (G11)	0.02 M Ca chloride, 0.1 M Na acetate pH 4.6, 30 %(w/v) MPD						
84 - (G12)	0.2 M Amm acetate, 0.1 M Na citrate pH 5.6, 30 %(w/v) MPD						
85 - (H1)	0.2 M Mg acetate, 0.1 M MES.Na pH 6.5, 30 %(w/v) MPD						
86 - (H2)	0.5 M Amm sulfate, 0.1 M HEPES.Na pH 7.5, 30 %(w/v) MPD						
87 - (H3)	0.2 M tri-Na citrate, 0.1 M HEPES.Na pH 7.5, 30 %(w/v) MPD						
88 - (H4)	0.1 M HEPES.Na pH 7.5, 30 %(w/v) MPD, 5 %(w/v) PEG 4000						
89 - (H5)	0.1 M Imidazole.HCl pH 8.0, 30 %(w/v) MPD, 10 %(w/v) PEG 4000						
90 - (H6)	30 %(w/v) MPD, 20 %(w/v) Ethanol						
91 - (H7)	35 %(w/v) MPD						
92 - (H8)	0.1 M Imidazole.HCl pH 8.0, 35 %(w/v) MPD						
93 - (H9)	0.1 M TRIS.HCl pH 8.5, 40 %(w/v) MPD						
94 - (H10)	0.1 M HEPES.Na pH 7.5, 47 %(w/v) MPD						
95 - (H11)	47 %(w/v) MPD, 2 %(w/v) tert-Butanol						
96 - (H12)	50 %(w/v) MPD						

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