

Tube #	Salt	Tube #	Buffer ◇	Tube #	Precipitant	Tube #	Additive
1.	0.04 M Lithium chloride, 0.02 M Magnesium chloride hexahydrate	1.	0.04 M Sodium cacodylate trihydrate pH 5.5	1.	30% v/v (+/-)-2-Methyl-2,4-pentanediol	1.	0.002 M Hexamine cobalt(III) chloride
2.	0.08 M Sodium chloride, 0.02 M Magnesium chloride hexahydrate	2.	0.04 M Sodium cacodylate trihydrate pH 5.5	2.	35% v/v (+/-)-2-Methyl-2,4-pentanediol	2.	0.002 M Hexamine cobalt(III) chloride
3.	0.012 M Sodium chloride, 0.08 M Potassium chloride	3.	0.04 M Sodium cacodylate trihydrate pH 5.5	3.	45% v/v (+/-)-2-Methyl-2,4-pentanediol	3.	0.002 M Hexamine cobalt(III) chloride
4.	0.02 M Magnesium chloride hexahydrate	4.	0.04 M Sodium cacodylate trihydrate pH 5.5	4.	40% v/v (+/-)-2-Methyl-2,4-pentanediol	4.	0.002 M Hexamine cobalt(III) chloride
5.	0.002 M Calcium chloride dihydrate	5.	0.05 M Sodium cacodylate trihydrate pH 6.0	5.	1.8 M Ammonium sulfate	5.	0.0005 M Spermine
6.		6.	0.05 M Sodium cacodylate trihydrate pH 6.0	6.	35% v/v Tacsimate™ pH 6.0	6.	0.001 M Spermine
7.	0.1 M Sodium chloride	7.	0.05 M Sodium cacodylate trihydrate pH 6.0	7.	10% w/v Polyethylene glycol 4,000	7.	0.0005 M Spermine
8.	0.05 M Potassium chloride	8.	0.05 M Sodium cacodylate trihydrate pH 6.0	8.	10% w/v Polyethylene glycol 8,000	8.	0.0005 M Spermine, 0.0005 M L-Argininamide dihydrochloride
9.	0.1 M Potassium chloride	9.	0.05 M Sodium cacodylate trihydrate pH 6.0	9.	16% w/v Polyethylene glycol 1,000	9.	0.0005 M Spermine
10.	0.005 M Magnesium chloride hexahydrate, 0.002 M Calcium chloride dihydrate	10.	0.05 M Sodium cacodylate trihydrate pH 6.0	10.	15% v/v 2-Propanol	10.	0.001 M Spermine
11.	0.075 M Sodium chloride, 0.002 M Calcium chloride dihydrate	11.	0.05 M Sodium cacodylate trihydrate pH 6.0	11.	30% w/v 1,6-Hexanediol	11.	0.0005 M Spermine
12.	0.02 M Magnesium sulfate hydrate, 0.002 M Cobalt(II) chloride hexahydrate	12.	0.05 M Sodium cacodylate trihydrate pH 6.0	12.	25% v/v (+/-)-2-Methyl-2,4-pentanediol	12.	0.0005 M Spermine
13.		13.	0.05 M Sodium cacodylate trihydrate pH 6.0	13.	30% v/v (+/-)-2-Methyl-2,4-pentanediol	13.	
14.	0.08 M Sodium chloride, 0.012 M Potassium chloride, 0.02 M Magnesium chloride hexahydrate	14.	0.04 M Sodium cacodylate trihydrate pH 6.0	14.	30% v/v (+/-)-2-Methyl-2,4-pentanediol	14.	0.012 M Spermine tetrahydrochloride
15.	0.08 M Sodium chloride, 0.02 M Magnesium chloride hexahydrate	15.	0.04 M Sodium cacodylate trihydrate pH 6.0	15.	35% v/v (+/-)-2-Methyl-2,4-pentanediol	15.	0.012 M Spermine tetrahydrochloride
16.	0.08 M Strontium chloride hexahydrate	16.	0.04 M Sodium cacodylate trihydrate pH 6.0	16.	35% v/v (+/-)-2-Methyl-2,4-pentanediol	16.	0.012 M Spermine tetrahydrochloride
17.	0.08 M Potassium chloride, 0.02 M Barium chloride dihydrate	17.	0.04 M Sodium cacodylate trihydrate pH 6.0	17.	40% v/v (+/-)-2-Methyl-2,4-pentanediol	17.	0.012 M Spermine tetrahydrochloride
18.	0.08 M Potassium chloride, 0.02 M Magnesium chloride hexahydrate	18.	0.04 M Sodium cacodylate trihydrate pH 6.0	18.	45% v/v (+/-)-2-Methyl-2,4-pentanediol	18.	0.012 M Spermine tetrahydrochloride
19.	0.08 M Sodium chloride	19.	0.04 M Sodium cacodylate trihydrate pH 6.0	19.	45% v/v (+/-)-2-Methyl-2,4-pentanediol	19.	0.012 M Spermine tetrahydrochloride
20.	0.08 M Sodium chloride, 0.02 M Barium chloride dihydrate	20.	0.04 M Sodium cacodylate trihydrate pH 6.0	20.	45% v/v (+/-)-2-Methyl-2,4-pentanediol	20.	0.012 M Spermine tetrahydrochloride
21.	0.012 M Sodium chloride, 0.08 M Potassium chloride	21.	0.04 M Sodium cacodylate trihydrate pH 6.0	21.	50% v/v (+/-)-2-Methyl-2,4-pentanediol	21.	0.012 M Spermine tetrahydrochloride
22.	0.08 M Potassium chloride	22.	0.04 M Sodium cacodylate trihydrate pH 6.0	22.	55% v/v (+/-)-2-Methyl-2,4-pentanediol	22.	0.012 M Spermine tetrahydrochloride
23.	0.018 M Magnesium chloride hexahydrate	23.	0.05 M Sodium cacodylate trihydrate pH 6.5	23.	10% v/v 2-Propanol	23.	0.003 M Spermine
24.	0.02 M Magnesium chloride hexahydrate	24.	0.05 M MOPS pH 7.0	24.	2.0 M Ammonium sulfate	24.	0.0005 M Spermine

◇ Buffer pH is that of a 1.0 M stock prior to dilution with other reagent components: pH with HCl or NaOH.

Natrix 2 contains forty-eight unique reagents. To determine the formulation of each reagent, simply read across the page.

Tube #	Salt	Tube #	Buffer ◊	Tube #	Precipitant	Tube #	Additive
25.		25.	0.05 M HEPES sodium pH 7.0	25.	40% v/v Tacsimate™ pH 7.0	25.	0.002 M Spermine, 0.002 M Hexamine cobalt(III) chloride
26.	0.02 M Magnesium chloride hexahydrate	26.	0.05 M MOPS pH 7.0	26.	55% v/v Tacsimate™ pH 7.0	26.	0.002 M Hexamine cobalt(III) chloride
27.	0.02 M Magnesium chloride hexahydrate	27.	0.05 M Sodium cacodylate trihydrate pH 7.0	27.	15% v/v 2-Propanol	27.	0.001 M Hexamine cobalt(III) chloride, 0.001 M Spermine
28.	0.005 M Magnesium chloride hexahydrate	28.	0.05 M MOPS pH 7.0	28.	25% v/v 1,4-Dioxane	28.	0.001 M Spermine
29.	0.01 M Magnesium chloride hexahydrate, 0.002 M Barium chloride dihydrate	29.	0.05 M MOPS pH 7.0	29.	30% v/v 1,4-Dioxane	29.	
30.	0.001 M Magnesium chloride hexahydrate, 0.002 M Calcium chloride dihydrate	30.	0.05 M MOPS pH 7.0	30.	15% v/v (+/-)-2-Methyl-2,4-pentanediol	30.	
31.	0.08 M Strontium chloride hexahydrate, 0.02 M Magnesium chloride hexahydrate	31.	0.04 M Sodium cacodylate trihydrate pH 7.0	31.	20% v/v (+/-)-2-Methyl-2,4-pentanediol	31.	0.012 M Spermine tetrahydrochloride
32.	0.08 M Sodium chloride	32.	0.04 M Sodium cacodylate trihydrate pH 7.0	32.	30% v/v (+/-)-2-Methyl-2,4-pentanediol	32.	0.012 M Spermine tetrahydrochloride
33.	0.04 M Lithium chloride, 0.08 M Strontium chloride hexahydrate	33.	0.04 M Sodium cacodylate trihydrate pH 7.0	33.	30% v/v (+/-)-2-Methyl-2,4-pentanediol	33.	0.012 M Spermine tetrahydrochloride
34.	0.04 M Lithium chloride, 0.08 M Strontium chloride hexahydrate, 0.02 M Magnesium chloride hexahydrate	34.	0.04 M Sodium cacodylate trihydrate pH 7.0	34.	30% v/v (+/-)-2-Methyl-2,4-pentanediol	34.	0.012 M Spermine tetrahydrochloride
35.	0.08 M Sodium chloride, 0.012 M Potassium chloride, 0.02 M Magnesium chloride hexahydrate	35.	0.04 M Sodium cacodylate trihydrate pH 7.0	35.	35% v/v (+/-)-2-Methyl-2,4-pentanediol	35.	0.012 M Spermine tetrahydrochloride
36.	0.012 M Sodium chloride, 0.08 M Potassium chloride	36.	0.04 M Sodium cacodylate trihydrate pH 7.0	36.	40% v/v (+/-)-2-Methyl-2,4-pentanediol	36.	0.012 M Spermine tetrahydrochloride
37.	0.08 M Sodium chloride, 0.02 M Barium chloride dihydrate	37.	0.04 M Sodium cacodylate trihydrate pH 7.0	37.	40% v/v (+/-)-2-Methyl-2,4-pentanediol	37.	0.012 M Spermine tetrahydrochloride
38.	0.08 M Sodium chloride, 0.02 M Magnesium chloride hexahydrate	38.	0.04 M Sodium cacodylate trihydrate pH 7.0	38.	40% v/v (+/-)-2-Methyl-2,4-pentanediol	38.	0.012 M Spermine tetrahydrochloride
39.	0.08 M Potassium chloride, 0.02 M Barium chloride dihydrate	39.	0.04 M Sodium cacodylate trihydrate pH 7.0	39.	40% v/v (+/-)-2-Methyl-2,4-pentanediol	39.	0.012 M Spermine tetrahydrochloride
40.	0.08 M Potassium chloride, 0.02 M Magnesium chloride hexahydrate	40.	0.04 M Sodium cacodylate trihydrate pH 7.0	40.	50% v/v (+/-)-2-Methyl-2,4-pentanediol	40.	0.012 M Spermine tetrahydrochloride
41.	0.08 M Potassium chloride	41.	0.04 M Sodium cacodylate trihydrate pH 7.0	41.	60% v/v (+/-)-2-Methyl-2,4-pentanediol	41.	0.012 M Spermine tetrahydrochloride
42.	0.02 M Magnesium chloride hexahydrate, 0.002 M Cobalt(II) chloride hexahydrate	42.	0.05 M HEPES sodium pH 7.5	42.	2.0 M Ammonium sulfate	42.	0.001 M Spermine
43.	0.02 M Magnesium chloride hexahydrate	43.	0.05 M PIPES pH 7.5	43.	4% w/v Polyethylene glycol 8,000	43.	0.001 M Spermine
44.	0.015 M Magnesium chloride hexahydrate, 0.002 M Barium chloride dihydrate	44.	0.05 M PIPES pH 7.5	44.	7% v/v 2-Propanol	44.	0.0005 M Spermine
45.	0.02 M Magnesium chloride hexahydrate	45.	0.05 M PIPES pH 7.5	45.	10% w/v 1,6-Hexanediol	45.	0.001 M Spermine
46.	0.01 M Magnesium chloride hexahydrate	46.	0.05 M HEPES sodium pH 7.5	46.	15% v/v (+/-)-2-Methyl-2,4-pentanediol	46.	0.0015 M Spermine
47.	0.2 M Calcium chloride dihydrate	47.	0.05 M HEPES sodium pH 7.5	47.	28% v/v Polyethylene glycol 400	47.	0.002 M Spermine
48.	0.002 M Copper(II) chloride dihydrate	48.	0.05 M TRIS hydrochloride pH 8.5	48.	1.8 M Lithium sulfate monohydrate	48.	0.0005 M Spermine

◊ Buffer pH is that of a 1.0 M stock prior to dilution with other reagent components: pH with HCl or NaOH.

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Natrix 2 contains forty-eight unique reagents. To determine the formulation of each reagent, simply read across the page.



Solutions for Crystal Growth

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