

Formulation Sheet
JBScreen Kinase HTS

JBScreen Kinase comprises 96 unique, sterile filtered reagents, delivered in 96 deep-well blocks, containing either 1.0ml (S version) or 1.7ml (L version) aliquots.

Storage: 4°C

Number	Precipitant	Buffer	pH	Additive 1	Additive 2	Additive 3
A 1	1.0 M Ammonium Sulfate	100 mM Sodium Citrate	5.6	200 mM Magnesium Acetate	10 mM DTT	None
A 2	1.3 M Ammonium Sulfate	100 mM Sodium Citrate	5.6	None	None	None
A 3	1.3 M Ammonium Sulfate	100 mM Tris-HCl	8.5	None	None	None
A 4	1.8 M Ammonium Sulfate	100 mM MES Sodium Salt	6.5	25 mM Cobalt(II) Chloride	None	None
A 5	2.0 M Ammonium Sulfate	100 mM Citric Acid	3.1	200 mM Sodium Chloride	None	None
A 6	2.0 M Ammonium Sulfate	100 mM Sodium Acetate	4.6	50 mM Magnesium Chloride	None	None
A 7	2.0 M Ammonium Sulfate	100 mM Sodium Acetate	4.6	None	None	None
A 8	2.0 M Ammonium Sulfate	100 mM HEPES Sodium Salt	7.5	2 % v/v PEG 550 MME	None	None
A 9	2.0 M Ammonium Sulfate	100 mM HEPES Sodium Salt	7.5	None	None	None
A 10	2.0 M Ammonium Sulfate	100 mM Tris-HCl	8.5	6 mM Magnesium Chloride	None	None
A 11	1.5 M Lithium Sulfate	100 mM Tris-HCl	8.5	10 mM Nickel Sulfate	None	None
A 12	1.0 M Lithium Chloride	100 mM Citric Acid	4.2	None	None	None
B 1	2.0 M Sodium Chloride	100 mM Sodium Acetate	4.6	None	None	None
B 2	2.0 M Sodium Chloride	100 mM MES Sodium Salt	6.5	200 mM Sodium/Potassium Phosphate	None	None
B 3	3.3 M Sodium Chloride	100 mM HEPES Sodium Salt	7.5	1 % v/v Glycerol	None	None
B 4	1.2 M Sodium Acetate	100 mM MES Sodium Salt	6.5	6.25 mM Calcium Chloride	None	None
B 5	3.7 M Sodium Formate	100 mM Bicine	9.5	2 % w/v PEG 3000	None	None
B 6	500 mM Sodium Malonate pH 6.0	50 mM PIPES	6.0	1.6 % v/v Glycerol	10 mM DTT	None
B 7	500 mM Di-Sodium hydrogen Phosphate	100 mM CAPS	10.0	0.5 M Di-Potassium hydrogen Phosphate	200 mM Lithium Sulfate	None
B 8	1.2 M Sodium Tartrate	100 mM Tris-HCl	8.5	5 mM DTT	None	None
B 9	1.0 M Potassium / Sodium Tartrate	100 mM MES Sodium Salt	6.5	None	None	None
B 10	30 % v/v Jeffamine M-600	100 mM MES Sodium Salt	6.5	50 mM Cesium Chloride	None	None
B 11	40 % v/v MPD	100 mM MES Sodium Salt	6.5	None	None	None
B 12	50 % v/v MPD	100 mM HEPES Sodium Salt	7.5	None	None	None

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Number	Precipitant	Buffer	pH	Additive 1	Additive 2	Additive 3
C 1	10 % v/v PEG 400	50 mM Tris-HCl	8.5	300 mM Sodium Chloride	1 mM DTT	1mM EDTA
C 2	15 % v/v PEG 400	100 mM HEPES Sodium Salt	7.5	200 mM Calcium Chloride	None	None
C 3	25 % v/v PEG 400	100 mM MES Sodium Salt	6.5	10 % v/v 2-Propanol	None	None
C 4	25 % v/v PEG 400	100 mM Tris-HCl	8.5	150 mM Sodium Citrate	None	None
C 5	15 % v/v PEG 550 MME	100 mM Sodium Acetate	4.6	5 % v/v Ethylene Glycol	None	None
C 6	20 % v/v PEG 550 MME	100 mM Bicine	9.0	100 mM Sodium Chloride	None	None
C 7	20 % w/v PEG 1000	100 mM Tris-HCl	8.5	1 mM DTT	None	None
C 8	35 % w/v PEG 1000	100 mM HEPES Sodium Salt	7.5	50 mM Lithium Sulfate	None	None
C 9	12 % w/v PEG 2000	100 mM MES Sodium Salt	6.5	200 mM Magnesium Acetate	None	None
C 10	25 % w/v PEG 2000	100 mM Sodium Acetate	4.6	100 mM Magnesium Chloride	None	None
C 11	30 % w/v PEG 2000	100 mM Sodium Acetate	4.6	50 mM Magnesium Chloride	None	None
C 12	24 % w/v PEG 2000 MME	100 mM Citrate/Phosphate	5.0	None	None	None
D 1	12 % w/v PEG 3350	100 mM MES Sodium Salt	6.5	500 mM Sodium Chloride	None	None
D 2	12 % w/v PEG 3350	50 mM Sodium Citrate	5.6	200 mM Ammonium Sulfate	50 mM Magnesium Sulfate	None
D 3	15 % w/v PEG 3350	100 mM Imidazole-HCl	7.5	250 mM Ammonium Sulfate	10 mM Cadmium Chloride	None
D 4	20 % w/v PEG 3350	150 mM D,L-Malic Acid	7.0	None	None	None
D 5	20 % w/v PEG 3350	100 mM HEPES Sodium Salt	7.5	200 mM Sodium Chloride	20 mM Glutathione	None
D 6	20 % w/v PEG 3350	100 mM Tris-HCl	8.5	120 mM Sodium Chloride	5 mM DTT	None
D 7	20 % w/v PEG 3350	None		200 mM Potassium Nitrate	None	None
D 8	22 % w/v PEG 3350	None		100 mM Ammonium Formate	None	None
D 9	24 % w/v PEG 3350	100 mM Citric Acid	5.0	None	None	None
D 10	30 % w/v PEG 3350	100 mM Sodium Acetate	4.6	200 mM Ammonium Acetate	None	None
D 11	30 % w/v PEG 3350	200 mM Ammonium Acetate	5.6	20 % v/v 2-Propanol	200 mM Calcium Chloride	None
D 12	32.5 % w/v PEG 3350	100 mM Tris-HCl	8.5	200 mM Magnesium Chloride	500 mM Sodium Chloride	None

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Number	Precipitant	Buffer	pH	Additive 1	Additive 2	Additive 3
E 1	8 % w/v PEG 4000	50 mM MES Sodium Salt	6.5	10 mM Magnesium Chloride	10 mM DTT	None
E 2	10 % w/v PEG 4000	50 mM PIPES	7.0	10 mM DTT	None	None
E 3	10 % w/v PEG 4000	100 mM HEPES Sodium Salt	7.5	200 mM Magnesium Chloride	15 % v/v Ethylene Glycol	10 % v/v 2-Propanol
E 4	10 % w/v PEG 4000	100 mM HEPES Sodium Salt	7.5	None	None	None
E 5	15 % w/v PEG 4000	100 mM HEPES Sodium Salt	7.5	10 % v/v 2-Propanol	None	None
E 6	15 % w/v PEG 4000	75 mM Tris-HCl	8.5	75 mM Sodium Acetate	200 mM Sodium Chloride	1 % w/v PEG 6000
E 7	15 % w/v PEG 4000	100 mM HEPES Sodium Salt	7.5	10 % v/v 2-Propanol	None	None
E 8	20 % w/v PEG 4000	100 mM Bis-Tris	6.5	100 mM Sodium Chloride	None	None
E 9	20 % w/v PEG 4000	100 mM HEPES Sodium Salt	7.5	200 mM Magnesium Chloride	None	None
E 10	20 % w/v PEG 4000	100 mM Tris-HCl	8.5	200 mM Magnesium Chloride	None	None
E 11	25 % w/v PEG 4000	100 mM MES Sodium Salt	6.5	200 mM Magnesium Chloride	None	None
E 12	25 % w/v PEG 4000	100 mM Tris-HCl	8.5	100 mM Lithium Sulfate	None	None
F 1	28 % w/v PEG 4000	200 mM Lithium Acetate	7.5	None	None	None
F 2	30 % w/v PEG 4000	100 mM MES Sodium Salt	6.5	200 mM Sodium Acetate	None	None
F 3	30 % w/v PEG 4000	150 mM Tris-HCl	8.5	200 mM Ammonium Sulfate	None	None
F 4	8 % w/v PEG 5000 MME	100 mM HEPES Sodium Salt	7.5	10 % v/v 2-Propanol	None	None
F 5	25 % w/v PEG 5000 MME	100 mM MES Sodium Salt	6.5	200 mM Ammonium Sulfate	None	None
F 6	30 % w/v PEG 5000 MME	100 mM HEPES Sodium Salt	7.5	200 mM Ammonium Sulfate	None	None
F 7	30 % w/v PEG 5000 MME	100 mM ADA	6.5	100 mM Ammonium Sulfate	None	None
F 8	20 % w/v PEG 6000	100 mM MES Sodium Salt	6.5	None	None	None
F 9	28 % w/v PEG 6000	100 mM MES Sodium Salt	6.5	10 mM DTT	None	None
F 10	30 % w/v PEG 6000	100 mM HEPES Sodium Salt	7.5	175 mM Lithium Sulfate	None	None
F 11	30 % w/v PEG 6000	100 mM PIPES	7.0	10 mM DTT	None	None
F 12	32 % w/v PEG 6000	100 mM MES Sodium Salt	6.5	None	None	None

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Number	Precipitant	Buffer	pH	Additive 1	Additive 2	Additive 3
G1	7 % w/v PEG 8000	100 mM MES Sodium Salt	6.5	20 % v/v Ethylene Glycol	None	None
G 2	7 % w/v PEG 8000	100 mM MES Sodium Salt	6.5	150 mM Calcium Acetate	16 % v/v Ethylene Glycol	None
G 3	10 % w/v PEG 8000	100 mM Tris-HCl	8.5	10 % v/v PEG 200	None	None
G 4	12 % w/v PEG 8000	100 mM HEPES Sodium Salt	7.5	None	None	None
G 5	12 % w/v PEG 8000	100 mM Tris-HCl	8.5	250 mM Sodium Tartrate	None	None
G 6	16 % w/v PEG 8000	100 mM HEPES Sodium Salt	7.5	100 mM Potassium dihydrogen Phosphate	None	None
G 7	16 % w/v PEG 8000	100 mM HEPES Sodium Salt	7.5	150 mM Sodium Chloride	2 % v/v Ethylene Glycol	None
G 8	18 % w/v PEG 8000	100 mM MES Sodium Salt	6.5	200 mM Magnesium Acetate	None	None
G 9	18 % w/v PEG 8000	100 mM MES Sodium Salt	6.5	None	None	None
G 10	18 % w/v PEG 8000	100 mM Tris-HCl	8.5	None	None	None
G 11	20 % w/v PEG 8000	100 mM Citric Acid	5.0	100 mM Magnesium Acetate	None	None
G 12	20 % w/v PEG 8000	100 mM Tris-HCl	8.5	200 mM Magnesium Chloride	2 % v/v Ethylene Glycol	None
H 1	22 % w/v PEG 8000	100 mM Tris-HCl	8.5	2 % v/v Ethylene Glycol	None	None
H 2	25 % w/v PEG 8000	100 mM Sodium Acetate	4.6	50 mM Magnesium Chloride	None	None
H 3	30 % w/v PEG 8000	100 mM MES Sodium Salt	6.5	200 mM Ammonium Sulfate	4 % v/v 1,3-Propanediol	None
H 4	30 % w/v PEG 8000	100 mM HEPES Sodium Salt	7.5	10 mM DTT	20 % v/v Glycerol	None
H 5	9 % w/v PEG 8000	100 mM MES Sodium Salt	6.5	200 mM Zinc Acetate	None	None
H 6	16 % w/v PEG 10000	100 mM Bis-Tris	6.5	300 mM Ammonium Sulfate	5 % v/v Ethylene Glycol	None
H 7	10 % w/v PEG 10000	100 mM HEPES Sodium Salt	7.5	8 % v/v Ethylene Glycol	None	None
H 8	15 % w/v PEG 10000	100 mM HEPES Sodium Salt	7.5	5 mM DTT	None	None
H 9	15 % w/v PEG 10000	100 mM Tris-HCl	8.5	None	None	None
H 10	12 % w/v PEG 20000	100 mM MES Sodium Salt	6.5	None	None	None
H 11	10 % w/v PEG 20000	100 mM HEPES Sodium Salt	7.5	100 mM Ammonium Formate	None	None
H 12	15 % w/v PEG 20000	None		10 mM Potassium Tartrate	None	None