



JBS SPECIFIC Thermofluor Screen

Cat.-No.: CS-331

SCREEN FORMULATION



No.	Buffer*	Additive
A1	Buffer 1 for reference assay	none
A2	Buffer 1 for reference assay	none
A3	Buffer 1 for reference assay	none
A4	Buffer 2 for reference assay	none
A5	Buffer 2 for reference assay	none
A6	Buffer 2 for reference assay	none
A7	Buffer 3 for reference assay	none
A8	Buffer 3 for reference assay	none
A9	Buffer 3 for reference assay	none
A10	none	none
A11	none	none
A12	none	none
B1	100 mM CHC buffer; pH 4.0	none
B2	100 mM CHC buffer; pH 4.0	150 mM Sodium chloride
B3	100 mM CHC buffer; pH 4.0	150 mM Sodium chloride, 20 mM Magnesium sulfate
B4	100 mM CHC buffer; pH 4.0	150 mM Sodium chloride, 10 mM Iron (III) chloride
B5	100 mM CHC buffer; pH 4.0	150 mM Sodium chloride, 10 mM Zinc chloride
B6	100 mM CHC buffer; pH 4.0	150 mM Sodium chloride, 10 mM Manganese (II) chloride
B7	100 mM MIB buffer; pH 4.0	none
B8	100 mM MIB buffer; pH 4.0	150 mM Sodium chloride
B9	100 mM MIB buffer; pH 4.0	150 mM Sodium chloride, 20 mM Magnesium sulfate
B10	100 mM MIB buffer; pH 4.0	150 mM Sodium chloride, 20 mM Calcium chloride
B11	100 mM MIB buffer; pH 4.0	150 mM Sodium chloride, 10 mM Zinc chloride
B12	100 mM MIB buffer; pH 4.0	150 mM Sodium chloride, 10 mM Manganese (II) chloride

*pH values indicated are those of the final condition; CHC buffer is produced by mixing Citric acid:HEPES:CHES in the molar ratios 2:3:4; MIB buffer is produced by mixing Malonic acid:Imidazole:Boric acid in the molar ratios 2:3:3



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SCREEN FORMULATION



No.	Buffer*	Additive
C1	100 mM CHC buffer; pH 5.0	none
C2	100 mM CHC buffer; pH 5.0	150 mM Sodium chloride
C3	100 mM CHC buffer; pH 5.0	150 mM Sodium chloride, 20 mM Magnesium sulfate
C4	100 mM CHC buffer; pH 5.0	150 mM Sodium chloride, 10 mM Iron (III) chloride
C5	100 mM CHC buffer; pH 5.0	150 mM Sodium chloride, 10 mM Zinc chloride
C6	100 mM CHC buffer; pH 5.0	150 mM Sodium chloride, 10 mM Manganese (II) chloride
C7	100 mM MIB buffer; pH 5.0	none
C8	100 mM MIB buffer; pH 5.0	150 mM Sodium chloride
C9	100 mM MIB buffer; pH 5.0	150 mM Sodium chloride, 20 mM Magnesium sulfate
C10	100 mM MIB buffer; pH 5.0	150 mM Sodium chloride, 20 mM Calcium chloride
C11	100 mM MIB buffer; pH 5.0	150 mM Sodium chloride, 10 mM Zinc chloride
C12	100 mM MIB buffer; pH 5.0	150 mM Sodium chloride, 10 mM Manganese (II) chloride
D1	100 mM CHC buffer; pH 6.0	none
D2	100 mM CHC buffer; pH 6.0	150 mM Sodium chloride
D3	100 mM CHC buffer; pH 6.0	150 mM Sodium chloride, 20 mM Magnesium sulfate
D4	100 mM CHC buffer; pH 6.0	150 mM Sodium chloride, 10 mM Iron (III) chloride
D5	100 mM CHC buffer; pH 6.0	150 mM Sodium chloride, 10 mM Zinc chloride
D6	100 mM CHC buffer; pH 6.0	150 mM Sodium chloride, 10 mM Manganese (II) chloride
D7	100 mM MIB buffer; pH 6.0	none
D8	100 mM MIB buffer; pH 6.0	150 mM Sodium chloride
D9	100 mM MIB buffer; pH 6.0	150 mM Sodium chloride, 20 mM Magnesium sulfate
D10	100 mM MIB buffer; pH 6.0	150 mM Sodium chloride, 20 mM Calcium chloride
D11	100 mM MIB buffer; pH 6.0	150 mM Sodium chloride, 10 mM Zinc chloride
D12	100 mM MIB buffer; pH 6.0	150 mM Sodium chloride, 10 mM Manganese (II) chloride

*pH values indicated are those of the final condition; CHC buffer is produced by mixing Citric acid:HEPES:CHES in the molar ratios 2:3:4; MIB buffer is produced by mixing Malonic acid:Imidazole:Boric acid in the molar ratios 2:3:3



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No.	Buffer*	Additive
E1	100 mM CHC buffer; pH 7.0	none
E2	100 mM CHC buffer; pH 7.0	150 mM Sodium chloride
E3	100 mM CHC buffer; pH 7.0	150 mM Sodium chloride, 20 mM Magnesium sulfate
E4	100 mM CHC buffer; pH 7.0	150 mM Sodium chloride, 10 mM Iron (III) chloride
E5	100 mM CHC buffer; pH 7.0	150 mM Sodium chloride, 20 mM Lithium chloride
E6	100 mM CHC buffer; pH 7.0	150 mM Sodium chloride, 20 mM Potassium chloride
E7	100 mM MIB buffer; pH 7.0	none
E8	100 mM MIB buffer; pH 7.0	150 mM Sodium chloride
E9	100 mM MIB buffer; pH 7.0	150 mM Sodium chloride, 20 mM Magnesium sulfate
E10	100 mM MIB buffer; pH 7.0	150 mM Sodium chloride, 20 mM Calcium chloride
E11	100 mM MIB buffer; pH 7.0	150 mM Sodium chloride, 20 mM Lithium chloride
E12	100 mM MIB buffer; pH 7.0	150 mM Sodium chloride, 20 mM Potassium chloride
F1	100 mM CHC buffer; pH 8.0	none
F2	100 mM CHC buffer; pH 8.0	150 mM Sodium chloride
F3	100 mM CHC buffer; pH 8.0	150 mM Sodium chloride, 20 mM Magnesium sulfate
F4	100 mM CHC buffer; pH 8.0	150 mM Sodium chloride, 10 mM Iron (III) chloride
F5	100 mM CHC buffer; pH 8.0	150 mM Sodium chloride, 20 mM Lithium chloride
F6	100 mM CHC buffer; pH 8.0	150 mM Sodium chloride, 20 mM Potassium chloride
F7	100 mM MIB buffer; pH 8.0	none
F8	100 mM MIB buffer; pH 8.0	150 mM Sodium chloride
F9	100 mM MIB buffer; pH 8.0	150 mM Sodium chloride, 20 mM Magnesium sulfate
F10	100 mM MIB buffer; pH 8.0	150 mM Sodium chloride, 20 mM Calcium chloride
F11	100 mM MIB buffer; pH 8.0	150 mM Sodium chloride, 20 mM Lithium chloride
F12	100 mM MIB buffer; pH 8.0	150 mM Sodium chloride, 20 mM Potassium chloride

*pH values indicated are those of the final condition; CHC buffer is produced by mixing Citric acid:HEPES:CHES in the molar ratios 2:3:4; MIB buffer is produced by mixing Malonic acid:Imidazole:Boric acid in the molar ratios 2:3:3



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No.	Buffer*	Additive
G1	100 mM CHC buffer; pH 9.0	none
G2	100 mM CHC buffer; pH 9.0	150 mM Sodium chloride
G3	100 mM CHC buffer; pH 9.0	150 mM Sodium chloride, 20 mM Magnesium sulfate
G4	100 mM CHC buffer; pH 9.0	150 mM Sodium chloride, 10 mM Iron (III) chloride
G5	100 mM CHC buffer; pH 9.0	150 mM Sodium chloride, 20 mM Lithium chloride
G6	100 mM CHC buffer; pH 9.0	150 mM Sodium chloride, 20 mM Potassium chloride
G7	100 mM MIB buffer; pH 9.0	none
G8	100 mM MIB buffer; pH 9.0	150 mM Sodium chloride
G9	100 mM MIB buffer; pH 9.0	150 mM Sodium chloride, 20 mM Magnesium sulfate
G10	100 mM MIB buffer; pH 9.0	150 mM Sodium chloride, 20 mM Calcium chloride
G11	100 mM MIB buffer; pH 9.0	150 mM Sodium chloride, 20 mM Lithium chloride
G12	100 mM MIB buffer; pH 9.0	150 mM Sodium chloride, 20 mM Potassium chloride
H1	100 mM CHC buffer; pH 10.0	none
H2	100 mM CHC buffer; pH 10.0	150 mM Sodium chloride
H3	100 mM CHC buffer; pH 10.0	150 mM Sodium chloride, 20 mM Magnesium sulfate
H4	100 mM CHC buffer; pH 10.0	150 mM Sodium chloride, 10 mM Iron (III) chloride
H5	100 mM CHC buffer; pH 10.0	150 mM Sodium chloride, 20 mM Lithium chloride
H6	100 mM CHC buffer; pH 10.0	150 mM Sodium chloride, 20 mM Potassium chloride
H7	100 mM MIB buffer; pH 10.0	none
H8	100 mM MIB buffer; pH 10.0	150 mM Sodium chloride
H9	100 mM MIB buffer; pH 10.0	150 mM Sodium chloride, 20 mM Magnesium sulfate
H10	100 mM MIB buffer; pH 10.0	150 mM Sodium chloride, 20 mM Calcium chloride
H11	100 mM MIB buffer; pH 10.0	150 mM Sodium chloride, 20 mM Lithium chloride
H12	100 mM MIB buffer; pH 10.0	150 mM Sodium chloride, 20 mM Potassium chloride

*pH values indicated are those of the final condition; CHC buffer is produced by mixing Citric acid:HEPES:CHES in the molar ratios 2:3:4; MIB buffer is produced by mixing Malonic acid:Imidazole:Boric acid in the molar ratios 2:3:3



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