



## JBS FUNDAMENT Thermofluor Screen

Cat.-No.: CS-330

## 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	50 mM Sodium chloride
B3	100 mM CHC buffer; pH 4.0	125 mM Sodium chloride
B4	100 mM CHC buffer; pH 4.0	250 mM Sodium chloride
B5	100 mM CHC buffer; pH 4.0	500 mM Sodium chloride
B6	100 mM CHC buffer; pH 4.0	1 M Sodium chloride
B7	100 mM MIB buffer; pH 4.0	none
B8	100 mM MIB buffer; pH 4.0	50 mM Sodium chloride
B9	100 mM MIB buffer; pH 4.0	125 mM Sodium chloride
B10	100 mM MIB buffer; pH 4.0	250 mM Sodium chloride
B11	100 mM MIB buffer; pH 4.0	500 mM Sodium chloride
B12	100 mM MIB buffer; pH 4.0	1 M Sodium 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	50 mM Sodium chloride
C3	100 mM CHC buffer; pH 5.0	125 mM Sodium chloride
C4	100 mM CHC buffer; pH 5.0	250 mM Sodium chloride
C5	100 mM CHC buffer; pH 5.0	500 mM Sodium chloride
C6	100 mM CHC buffer; pH 5.0	1 M Sodium chloride
C7	100 mM MIB buffer; pH 5.0	none
C8	100 mM MIB buffer; pH 5.0	50 mM Sodium chloride
C9	100 mM MIB buffer; pH 5.0	125 mM Sodium chloride
C10	100 mM MIB buffer; pH 5.0	250 mM Sodium chloride
C11	100 mM MIB buffer; pH 5.0	500 mM Sodium chloride
C12	100 mM MIB buffer; pH 5.0	1 M Sodium chloride
D1	100 mM CHC buffer; pH 6.0	none
D2	100 mM CHC buffer; pH 6.0	50 mM Sodium chloride
D3	100 mM CHC buffer; pH 6.0	125 mM Sodium chloride
D4	100 mM CHC buffer; pH 6.0	250 mM Sodium chloride
D5	100 mM CHC buffer; pH 6.0	500 mM Sodium chloride
D6	100 mM CHC buffer; pH 6.0	1 M Sodium chloride
D7	100 mM MIB buffer; pH 6.0	none
D8	100 mM MIB buffer; pH 6.0	50 mM Sodium chloride
D9	100 mM MIB buffer; pH 6.0	125 mM Sodium chloride
D10	100 mM MIB buffer; pH 6.0	250 mM Sodium chloride
D11	100 mM MIB buffer; pH 6.0	500 mM Sodium chloride
D12	100 mM MIB buffer; pH 6.0	1 M Sodium 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
E1	100 mM CHC buffer; pH 7.0	none
E2	100 mM CHC buffer; pH 7.0	50 mM Sodium chloride
E3	100 mM CHC buffer; pH 7.0	125 mM Sodium chloride
E4	100 mM CHC buffer; pH 7.0	250 mM Sodium chloride
E5	100 mM CHC buffer; pH 7.0	500 mM Sodium chloride
E6	100 mM CHC buffer; pH 7.0	1 M Sodium chloride
E7	100 mM MIB buffer; pH 7.0	none
E8	100 mM MIB buffer; pH 7.0	50 mM Sodium chloride
E9	100 mM MIB buffer; pH 7.0	125 mM Sodium chloride
E10	100 mM MIB buffer; pH 7.0	250 mM Sodium chloride
E11	100 mM MIB buffer; pH 7.0	500 mM Sodium chloride
E12	100 mM MIB buffer; pH 7.0	1 M Sodium chloride
F1	100 mM CHC buffer; pH 8.0	none
F2	100 mM CHC buffer; pH 8.0	50 mM Sodium chloride
F3	100 mM CHC buffer; pH 8.0	125 mM Sodium chloride
F4	100 mM CHC buffer; pH 8.0	250 mM Sodium chloride
F5	100 mM CHC buffer; pH 8.0	500 mM Sodium chloride
F6	100 mM CHC buffer; pH 8.0	1 M Sodium chloride
F7	100 mM MIB buffer; pH 8.0	none
F8	100 mM MIB buffer; pH 8.0	50 mM Sodium chloride
F9	100 mM MIB buffer; pH 8.0	125 mM Sodium chloride
F10	100 mM MIB buffer; pH 8.0	250 mM Sodium chloride
F11	100 mM MIB buffer; pH 8.0	500 mM Sodium chloride
F12	100 mM MIB buffer; pH 8.0	1 M Sodium 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
G1	100 mM CHC buffer; pH 9.0	none
G2	100 mM CHC buffer; pH 9.0	50 mM Sodium chloride
G3	100 mM CHC buffer; pH 9.0	125 mM Sodium chloride
G4	100 mM CHC buffer; pH 9.0	250 mM Sodium chloride
G5	100 mM CHC buffer; pH 9.0	500 mM Sodium chloride
G6	100 mM CHC buffer; pH 9.0	1 M Sodium chloride
G7	100 mM MIB buffer; pH 9.0	none
G8	100 mM MIB buffer; pH 9.0	50 mM Sodium chloride
G9	100 mM MIB buffer; pH 9.0	125 mM Sodium chloride
G10	100 mM MIB buffer; pH 9.0	250 mM Sodium chloride
G11	100 mM MIB buffer; pH 9.0	500 mM Sodium chloride
G12	100 mM MIB buffer; pH 9.0	1 M Sodium chloride
H1	100 mM CHC buffer; pH 10.0	none
H2	100 mM CHC buffer; pH 10.0	50 mM Sodium chloride
H3	100 mM CHC buffer; pH 10.0	125 mM Sodium chloride
H4	100 mM CHC buffer; pH 10.0	250 mM Sodium chloride
H5	100 mM CHC buffer; pH 10.0	500 mM Sodium chloride
H6	100 mM CHC buffer; pH 10.0	1 M Sodium chloride
H7	100 mM MIB buffer; pH 10.0	none
H8	100 mM MIB buffer; pH 10.0	50 mM Sodium chloride
H9	100 mM MIB buffer; pH 10.0	125 mM Sodium chloride
H10	100 mM MIB buffer; pH 10.0	250 mM Sodium chloride
H11	100 mM MIB buffer; pH 10.0	500 mM Sodium chloride
H12	100 mM MIB buffer; pH 10.0	1 M Sodium 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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