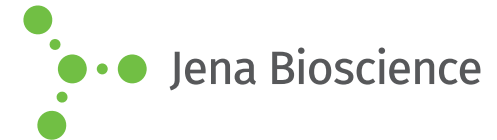




## JBScreen Membrane HTS

Cat.-No.: CS-310

## SCREEN FORMULATION



| No. | Precipitant 1                                       | Precipitant 2                    | Buffer                                      | Additive  |
|-----|---|----------------------------------|---|---|
| A1  | 15 % w/v Polyethylene glycol 400                    | 15 % w/v Glycerol                | 100 mM HEPES; pH 7.5                        | 200 mM Calcium chloride                           |
| A2  | 20 % w/v Polyethylene glycol 400                    | 100 mM Sodium chloride           | 100 mM tri-Sodium citrate; pH 5.6           | 20 mM Magnesium chloride                          |
| A3  | 25 % w/v Polyethylene glycol 400                    | none                             | 50 mM Sodium acetate; pH 4.6                | 50 mM Magnesium acetate                           |
| A4  | 30 % w/v Polyethylene glycol 400                    | 50 mM Sodium sulfate             | 50 mM TRIS; pH 8.5                          | 50 mM Lithium sulfate                             |
| A5  | 48 % w/v Polyethylene glycol 400                    | none                             | 100 mM HEPES; pH 7.5                        | 200 mM Calcium chloride                           |
| A6  | 20 % w/v Polyethylene glycol monomethyl ether 550   | none                             | 10 mM TRIS; pH 7.5                          | none  |
| A7  | 30 % w/v Polyethylene glycol monomethyl ether 550   | none                             | 50 mM TRIS; pH 8.5                          | 100 mM Magnesium chloride                         |
| A8  | 35 % w/v Polyethylene glycol 600                    | none                             | none  | none  |
| A9  | 28 % w/v Polyethylene glycol 1,000                  | 10 % w/v Glycerol                | 100 mM TRICINE; pH 8.0                      | 350 mM Sodium chloride                            |
| A10 | 10 % w/v Polyethylene glycol 1,500                  | 5 % w/v Ethanol                  | none  | 100 mM Magnesium chloride, 100 mM Sodium chloride |
| A11 | 30 % w/v Polyethylene glycol 1,500                  | none                             | none  | none  |
| A12 | 5 % w/v Polyethylene glycol 2,000                   | none                             | none  | none  |
| B1  | 10 % w/v Polyethylene glycol 2,000                  | none                             | 100 mM TRIS; pH 8.5                         | 500 mM Magnesium chloride                         |
| B2  | 15 % w/v Polyethylene glycol 2,000                  | none                             | none  | none  |
| B3  | 15 % w/v Polyethylene glycol 2,000                  | none                             | none  | 100 mM Lithium chloride                           |
| B4  | 15 % w/v Polyethylene glycol 2,000                  | none                             | 100 mM di-Sodium hydrogen phosphate; pH 6.2 | 20 mM tri-Sodium citrate                          |
| B5  | 15 % w/v Polyethylene glycol 2,000                  | none                             | 100 mM di-Sodium hydrogen phosphate; pH 6.8 | 500 mM Sodium chloride                            |
| B6  | 15 % w/v Polyethylene glycol 2,000                  | none                             | 20 mM BIS-TRIS; pH 7.0                      | none  |
| B7  | 15 % w/v Polyethylene glycol 2,000                  | none                             | 50 mM HEPES; pH 7.5                         | 100 mM Magnesium chloride                         |
| B8  | 20 % w/v Polyethylene glycol 2,000                  | 2 % w/v 2-Methyl-2,4-pentanediol | 100 mM TRIS; pH 8.0                         | 300 mM Magnesium nitrate                          |
| B9  | 25 % w/v Polyethylene glycol 2,000                  | 15 % w/v Glycerol                | 100 mM BICINE; pH 9.0                       | 300 mM Magnesium chloride                         |
| B10 | 30 % w/v Polyethylene glycol 2,000                  | none                             | 200 mM di-Sodium hydrogen phosphate; pH 6.2 | 500 mM Sodium chloride                            |
| B11 | 8 % w/v Polyethylene glycol monomethyl ether 2,000  | none                             | 100 mM Sodium acetate; pH 4.6               | none  |
| B12 | 10 % w/v Polyethylene glycol monomethyl ether 2,000 | 20 % w/v Glycerol                | 100 mM tri-Sodium citrate; pH 5.6           | 3 % w/v Polyethylene glycol 200                   |

\*pH values indicated are those of the 1.0 M buffer stock solution prior to dilution with other components





## JBScreen Membrane HTS

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## SCREEN FORMULATION



| No. | Precipitant 1                                       | Precipitant 2                     | Buffer                                      | Additive                              |
|-----|---|-----------------------------------|---|---------------------------------------|
| C1  | 12 % w/v Polyethylene glycol monomethyl ether 2,000 | none                              | 50 mM TRIS; pH 8.5                          | 500 mM Sodium chloride                |
| C2  | 10 % w/v Polyethylene glycol 3,350                  | none                              | 50 mM tri-Sodium citrate; pH 5.6            | 150 mM Sodium chloride                |
| C3  | 2 % w/v Polyethylene glycol 4,000                   | none                              | 50 mM TRIS; pH 7.5                          | none                                  |
| C4  | 5 % w/v Polyethylene glycol 4,000                   | none                              | none  | none                                  |
| C5  | 5 % w/v Polyethylene glycol 4,000                   | none                              | none  | 100 mM Potassium chloride             |
| C6  | 5 % w/v Polyethylene glycol 4,000                   | 10 % w/v Glycerol                 | 50 mM MES; pH 6.5                           | 100 mM Sodium chloride                |
| C7  | 5 % w/v Polyethylene glycol 4,000                   | none                              | 50 mM di-Sodium hydrogen phosphate; pH 6.7  | none                                  |
| C8  | 10 % w/v Polyethylene glycol 4,000                  | none                              | 50 mM TRIS; pH 8.5                          | 500 mM Sodium chloride                |
| C9  | 12 % w/v Polyethylene glycol 4,000                  | none                              | 100 mM ADA; pH 6.5                          | 100 mM Lithium sulfate                |
| C10 | 12 % w/v Polyethylene glycol 4,000                  | none                              | 50 mM di-Sodium hydrogen phosphate; pH 6.8  | none                                  |
| C11 | 12 % w/v Polyethylene glycol 4,000                  | 20 % w/v Glycerol                 | 50 mM MOPS; pH 7.0                          | 500 mM Potassium chloride             |
| C12 | 15 % w/v Polyethylene glycol 4,000                  | none                              | 10 mM TRIS; pH 7.5                          | 100 mM Lithium chloride               |
| D1  | 20 % w/v Polyethylene glycol 4,000                  | none                              | 100 mM BIS-TRIS; pH 7.0                     | 500 mM Sodium chloride                |
| D2  | 20 % w/v Polyethylene glycol 4,000                  | none                              | 100 mM di-Sodium hydrogen phosphate; pH 7.0 | 500 mM Sodium chloride                |
| D3  | 20 % w/v Polyethylene glycol 4,000                  | 150 mM Zinc acetate               | 50 mM TRIS; pH 7.5                          | 50 mM Zinc chloride                   |
| D4  | 22 % w/v Polyethylene glycol 4,000                  | none                              | 50 mM TRICINE; pH 8.0                       | none                                  |
| D5  | 22 % w/v Polyethylene glycol 4,000                  | none                              | 50 mM TRIS; pH 8.5                          | 500 mM Sodium chloride                |
| D6  | 30 % w/v Polyethylene glycol 4,000                  | none                              | none  | none                                  |
| D7  | 10 % w/v Polyethylene glycol monomethyl ether 5,000 | none                              | 100 mM tri-Sodium citrate; pH 5.6           | 100 mM Magnesium acetate              |
| D8  | 5 % w/v Polyethylene glycol 6,000                   | none                              | none  | 100 mM Magnesium sulfate              |
| D9  | 10 % w/v Polyethylene glycol 6,000                  | 150 mM Zinc acetate               | 50 mM TRIS; pH 7.5                          | 50 mM Zinc chloride                   |
| D10 | 15 % w/v Polyethylene glycol 6,000                  | none                              | 50 mM di-Sodium succinate; pH 6.5           | none                                  |
| D11 | 12 % w/v Polyethylene glycol 8,000                  | 10 % w/v 2-Methyl-2,4-pentanediol | none  | 25 mM Potassium di-hydrogen phosphate |
| D12 | 8 % w/v Polyethylene glycol 10,000                  | none                              | 100 mM tri-Sodium citrate; pH 5.6           | 100 mM Magnesium acetate              |

\*pH values indicated are those of the 1.0 M buffer stock solution prior to dilution with other components

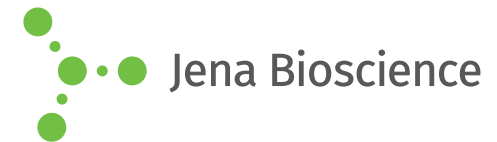




## JBScreen Membrane HTS

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## SCREEN FORMULATION



| No. | Precipitant 1                     | Precipitant 2                                      | Buffer  | Additive                                |
|-----|-----------------------------------|--|---|---|
| E1  | 700 mM Ammonium sulfate           | none   | 1 M Sodium Potassium phosphate; pH 7.5        | none                                    |
| E2  | 1 M Ammonium sulfate              | none   | 50 mM MES; pH 6.5                             | 100 mM Zinc acetate                     |
| E3  | 1.2 M Ammonium sulfate            | none   | 50 mM TRIS; pH 7.5                            | none                                    |
| E4  | 1.2 M Ammonium sulfate            | none   | 100 mM TRIS; pH 8.5                           | none                                    |
| E5  | 1.4 M Ammonium sulfate            | 4 % w/v 2-Propanol                                 | none  | 100 mM Ammonium acetate                 |
| E6  | 2 M Ammonium sulfate              | none   | none  | none                                    |
| E7  | 2 M Ammonium sulfate              | none   | 100 mM tri-Sodium citrate; pH 5.6             | none                                    |
| E8  | 2.5 M Ammonium sulfate            | 2 % w/v Polyethylene glycol monomethyl ether 5,000 | 100 mM HEPES; pH 7.5                          | none                                    |
| E9  | 3 M Ammonium sulfate              | none   | none  | none                                    |
| E10 | 3.5 M Ammonium sulfate            | none   | none  | none                                    |
| E11 | 3.5 M Ammonium sulfate            | none   | 50 mM Sodium Potassium phosphate; pH 7.5      | 250 mM Sodium chloride                  |
| E12 | 25 % w/v 2-Methyl-2,4-pentanediol | none   | 100 mM BIS-TRIS; pH 7.0                       | none                                    |
| F1  | 25 % w/v 2-Methyl-2,4-pentanediol | none   | 300 mM tri-Sodium citrate; pH 5.6             | none                                    |
| F2  | 25 % w/v Triethylene glycol       | none   | none  | 100 mM Glycine, 100 mM Ammonium sulfate |
| F3  | 30 % w/v 2-Propanol               | 20 % w/v Glycerol                                  | 100 mM Sodium acetate; pH 4.6                 | 200 mM Calcium chloride                 |
| F4  | none                              | none   | 50 mM di-Potassium hydrogen phosphate; pH 8.0 | none                                    |
| F5  | none                              | none   | 100 mM tri-Sodium citrate; pH 4.8             | none                                    |
| F6  | none                              | none   | 1 M di-Potassium hydrogen phosphate; pH 6.5   | 1 % w/v 1,4-Dioxane                     |
| F7  | 1 M tri-Sodium citrate            | none   | none  | none                                    |
| F8  | 1 M tri-Sodium citrate            | none   | none  | 500 mM Lithium chloride                 |
| F9  | 1.5 M Sodium chloride             | none   | 100 mM Sodium acetate; pH 4.6                 | none                                    |
| F10 | none                              | none   | 1.5 M di-Potassium hydrogen phosphate; pH 7.0 | none                                    |
| F11 | 1.5 M Lithium sulfate             | none   | 100 mM HEPES; pH 7.5                          | none                                    |
| F12 | 2 M Sodium chloride               | none   | none  | 100 mM Sodium formate                   |

\*pH values indicated are those of the 1.0 M buffer stock solution prior to dilution with other components

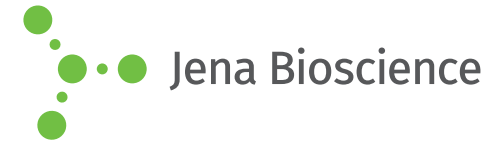




## JBScreen Membrane HTS

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## SCREEN FORMULATION



| No. | Precipitant 1                      | Precipitant 2 | Buffer                            | Additive                         |
|-----|------------------------------------|---------------|-----------------------------------|----------------------------------|
| G1  | 12 % w/v 2-Methyl-2,4-pentanediol  | none          | 100 mM Sodium acetate; pH 4.6     | 100 mM Sodium chloride           |
| G2  | 4 % w/v 2-Methyl-2,4-pentanediol   | none          | 100 mM tri-Sodium citrate; pH 5.6 | 100 mM Magnesium chloride        |
| G3  | 12 % w/v 2-Methyl-2,4-pentanediol  | none          | 100 mM ADA; pH 6.5                | none                             |
| G4  | 12 % w/v 2-Methyl-2,4-pentanediol  | none          | 100 mM HEPES; pH 7.5              | 100 mM tri-Sodium citrate        |
| G5  | 12 % w/v 2-Methyl-2,4-pentanediol  | none          | 100 mM TRIS; pH 8.5               | 100 mM Lithium sulfate           |
| G6  | 1 M tri-Sodium citrate             | none          | 100 mM HEPES; pH 7.5              | none                             |
| G7  | 200 mM Lithium sulfate             | none          | 100 mM TRIS; pH 8.5               | none                             |
| G8  | 100 mM Sodium chloride             | none          | 100 mM tri-Sodium citrate; pH 5.6 | none                             |
| G9  | 100 mM Sodium chloride             | none          | 100 mM TRIS; pH 8.5               | none                             |
| G10 | 1 M Ammonium di-hydrogen phosphate | none          | 100 mM Sodium acetate; pH 4.6     | 100 mM Lithium sulfate           |
| G11 | 1 M Ammonium di-hydrogen phosphate | none          | 100 mM tri-Sodium citrate; pH 5.6 | none                             |
| G12 | 1 M Ammonium di-hydrogen phosphate | none          | 100 mM ADA; pH 6.5                | none                             |
| H1  | 2 M Ammonium di-hydrogen phosphate | none          | 100 mM TRIS; pH 7.5               | none                             |
| H2  | 1 M Magnesium sulfate              | none          | 100 mM Sodium acetate; pH 4.6     | none                             |
| H3  | 1 M Magnesium sulfate              | none          | 100 mM tri-Sodium citrate; pH 5.6 | none                             |
| H4  | 1 M Magnesium sulfate              | none          | 100 mM ADA; pH 6.5                | 100 mM Lithium sulfate           |
| H5  | 400 mM Magnesium sulfate           | none          | 50 mM TRIS; pH 7.5                | none                             |
| H6  | 400 mM Magnesium sulfate           | none          | 100 mM TRIS; pH 8.5               | 100 mM Potassium Sodium tartrate |
| H7  | 1 M Potassium Sodium tartrate      | none          | 100 mM HEPES; pH 7.5              | none                             |
| H8  | 100 mM Potassium Sodium tartrate   | none          | 100 mM HEPES; pH 7.5              | 100 mM Lithium sulfate           |
| H9  | 4 M Sodium formate                 | none          | none                              | none                             |
| H10 | 2 M Sodium formate; pH 4.6         | none          | none                              | none                             |
| H11 | 1.4 M Sodium acetate               | none          | 100 mM MES; pH 6.5                | none                             |
| H12 | 100 mM Sodium acetate              | none          | 100 mM TRIS; pH 8.5               | none                             |

\*pH values indicated are those of the 1.0 M buffer stock solution prior to dilution with other components

