

## **Wizard™ III random sparse matrix crystallization screen - technical sheet**

### **Formulations:**

	<b>crystallant</b>	<b>buffer</b>	<b>pH</b>	<b>salt/additive #1</b>	<b>additive #2</b>
<b>1</b>	20%(w/v) PEG 3350			.2M ammonium citrate (dibasic)	
<b>2</b>	30%(v/v) MPD	.1M sodium acetate	4.6	.02M calcium chloride	
<b>3</b>	20%(w/v) PEG 3350			.2M magnesium formate	
<b>4</b>	20%(w/v) PEG 3350			.2M ammonium formate	
<b>5</b>	20%(w/v) PEG 3350			.2M ammonium chloride	
<b>6</b>	20%(w/v) PEG 3350			.2M potassium formate	
<b>7</b>	50%(w/v) MPD	.1M Tris	8.5	.2M ammonium phosphate (monobasic)	
<b>8</b>	20%(w/v) PEG 3350			.2M potassium nitrate	
<b>9</b>	0.8M ammonium sulfate	.1M citric acid	4.0		
<b>10</b>	20%(w/v) PEG 3350			.2M sodium thiocyanate	
<b>11</b>	20%(w/v) PEG 6000	.1M bicine	9.0		
<b>12</b>	10%(w/v) PEG 8000	.1M HEPES	7.5	8%(v/v) ethylene glycol	
<b>13</b>	8%(w/v) PEG 4000	.1M sodium acetate	4.6		
<b>14</b>	20%(w/v) PEG 6000	.1M citric acid	5.0		
<b>15</b>	1.6M Sodium citrate				
<b>16</b>	20%(w/v) PEG 3350			.2M potassium citrate tribasic	
<b>17</b>	20%(w/v) PEG 4000	.1M citrate	5.5	10%(v/v) 2-propanol	
<b>18</b>	20%(w/v) PEG 6000	.1M citric acid	4.0	1M lithium chloride	
<b>19</b>	20%(w/v) PEG 3350			.2M ammonium nitrate	
<b>20</b>	10%(w/v) PEG 6000	.1M HEPES	7.0		
<b>21</b>	1.6M Na/K phosphate	.1M HEPES	7.5		
<b>22</b>	20%(v/v) ethanol	.1M Tris	8.5		
<b>23</b>	10%(w/v) PEG 20,000	.1M bicine	9.0	2%(v/v) dioxane	
<b>24</b>	2M ammonium sulfate	.1M sodium acetate	4.6		
<b>25</b>	10%(w/v) PEG 1000			10%(w/v) PEG 8000	
<b>26</b>	24%(w/v) PEG 1500			20%(v/v) glycerol	
<b>27</b>	30%(v/v) PEG 400	.1M HEPES	7.5	.2M magnesium chloride	
<b>28</b>	70%(v/v) MPD	.1M HEPES	7.5		
<b>29</b>	40%(v/v) MPD	.1M Tris	8.0		
<b>30</b>	5.5%(w/v) PEG 4000			.17M ammonium sulfate	15%(v/v) glycerol
<b>31</b>	14%(v/v) 2-propanol	.07M sodium acetate	4.6	.14M calcium chloride	30%(v/v) glycerol
<b>32</b>	16%(w/v) PEG 8000			.04M potassium phosphate (monobasic)	20%(v/v) glycerol
<b>33</b>	1.6M magnesium sulfate	.1M MES	6.5		
<b>34</b>	10%(w/v) PEG 6000	.1M bicine	9.0		
<b>35</b>	4.4%(w/v) PEG 8000	.08M cacodylate	6.5	.16M calcium acetate	20%(v/v) glycerol
<b>36</b>	30%(v/v) Jeffamine M-600	.1M MES	6.5	.05M cesium chloride	
<b>37</b>	3.2M ammonium sulfate	.1M citric acid	5.0		
<b>38</b>	15%(w/v) PEG 10,000	.1M citrate	5.5	2%(v/v) dioxane	
<b>39</b>	20%(v/v) Jeffamine M-600	.1M HEPES	7.5		
<b>40</b>	10%(v/v) MPD	.1M bicine	9.0		
<b>41</b>	28%(v/v) PEG 400	.1M HEPES	7.5	.2M calcium chloride	
<b>42</b>	30%(w/v) PEG 4000	.1M Tris	8.5	.2M lithium sulfate	
<b>43</b>	30%(w/v) PEG 8000			.2M ammonium sulfate	
<b>44</b>	30%(w/v) PEG 5000 MME	.1M Tris	8.0	.2M lithium sulfate	
<b>45</b>	1.5M ammonium sulfate	.1M Tris	8.5		12%(v/v) glycerol
<b>46</b>	50%(v/v) MPD	.1M Tris	8.5	.2M ammonium phosphate (monobasic)	
<b>47</b>	30%(w/v) PEG 5000 MME	.1M MES	6.5	.2M ammonium sulfate	
<b>48</b>	20%(w/v) PEG 10,000	.1M HEPES	7.5		

All formulations are made with ultrapure ASTM Type I water and sterile-filtered stock solutions. Store at 4-25 °C.