**Materials List for:**

**Improving the Success Rate of Protein Crystallization by Random Microseed Matrix Screening**

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URL: [https://www.jove.com/video/50548](https://www.jove.com/video/50548)

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### Materials

<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>Catalog Number</th>
<th>Comments</th>
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<tbody>
<tr>
<td>MRC 96 well crystallization trays</td>
<td>Molecular Dimensions Ltd</td>
<td>MD11-00-100</td>
<td>Non-UV compatible, for screens established by robot</td>
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<td>ClearView sealing sheets</td>
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<tr>
<td>Hen egg white lysozyme</td>
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<td>L6876</td>
<td>~95% purity</td>
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<td>Bovine liver catylase</td>
<td>Sigma-Aldrich</td>
<td>C9322</td>
<td>&gt;95% purity</td>
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<td>Xylanase</td>
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<td>Thaumatin from Thaumatococcus</td>
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<td>danielli</td>
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<td>thermoproteolyticus rokko</td>
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<td>system</td>
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<td>For screens established by hand</td>
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<td>2 ml glass Pasteur pipettes</td>
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<td>30% (w/v) PEG 8000, 0.2 M ammonium sulfate, 0.1 M sodium cacodylate pH 6.5</td>
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<td>20% (w/v) PEG 6000, 100 mM citric acid pH 5.0</td>
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