JBScreen Classic – Crystallization Screening of Biological Macromolecules

An efficient and flexible crystallization screening system for proteins, peptides, nucleic acids, macromolecular complexes and water-soluble small molecules.

- The JBScreen Classic crystallization screening kits represent a comprehensive statistical compilation of the most successful crystallization conditions from the thousands published in the Biological Macromolecule Crystallization Database [1].
- The full JBScreen Classic comprises 10 screening kits covering 240 conditions, with each kit containing reagent formulations grouped according to precipitant type and concentration.
- A broad sampling of crystallization space and select formulations proven to maximize the rate of success make JBScreen Classic the number one choice for academic and industrial labs.

Our high quality crystal screens...

<table>
<thead>
<tr>
<th>Kit</th>
<th>Primary Precipitant</th>
</tr>
</thead>
<tbody>
<tr>
<td>JBScreen Classic 1</td>
<td>PEG 400 to 3000</td>
</tr>
<tr>
<td>JBScreen Classic 2</td>
<td>PEG 4000</td>
</tr>
<tr>
<td>JBScreen Classic 3</td>
<td>PEG 4000 +</td>
</tr>
<tr>
<td>JBScreen Classic 4</td>
<td>PEG 5000 MME to 8000</td>
</tr>
<tr>
<td>JBScreen Classic 5</td>
<td>PEG 8000 to 20000</td>
</tr>
<tr>
<td>JBScreen Classic 6</td>
<td>Ammonium Sulfate</td>
</tr>
<tr>
<td>JBScreen Classic 7</td>
<td>MPD</td>
</tr>
<tr>
<td>JBScreen Classic 8</td>
<td>MPD / Alcohol</td>
</tr>
<tr>
<td>JBScreen Classic 9</td>
<td>Alcohol / Salt</td>
</tr>
<tr>
<td>JBScreen Classic 10</td>
<td>Salt</td>
</tr>
</tbody>
</table>

...bring out the best in your project.

- The largest, most comprehensive crystallization screen on the market
- Rational zone-organized layout of crystallization conditions
- Potent formulations based on decades of empirical data
- Two formats to satisfy all requirements
  - bulk: 10 individual kits @ 24x10 ml volumes
  - HTS: 2x96-well masterblocks for high-throughput applications (1.0 or 1.7 ml per well)
- Check our promotions for unbeatable prices!

Please contact us at xtals@jenabioscience.com
Numerous literature citations show that JBScreen has been successfully employed in crystallization experiments:


• Hülsmeyer et al. (2005) A major histocompatibility complex-peptide-restricted antibody and T cell receptor molecules recognize their target by distinct binding modes. J. Biol. Chem. 280:2972.


• Heras et al. (2003) Dehydration converts DsbG crystal diffraction from low to high resolution. Structure 11:139.


