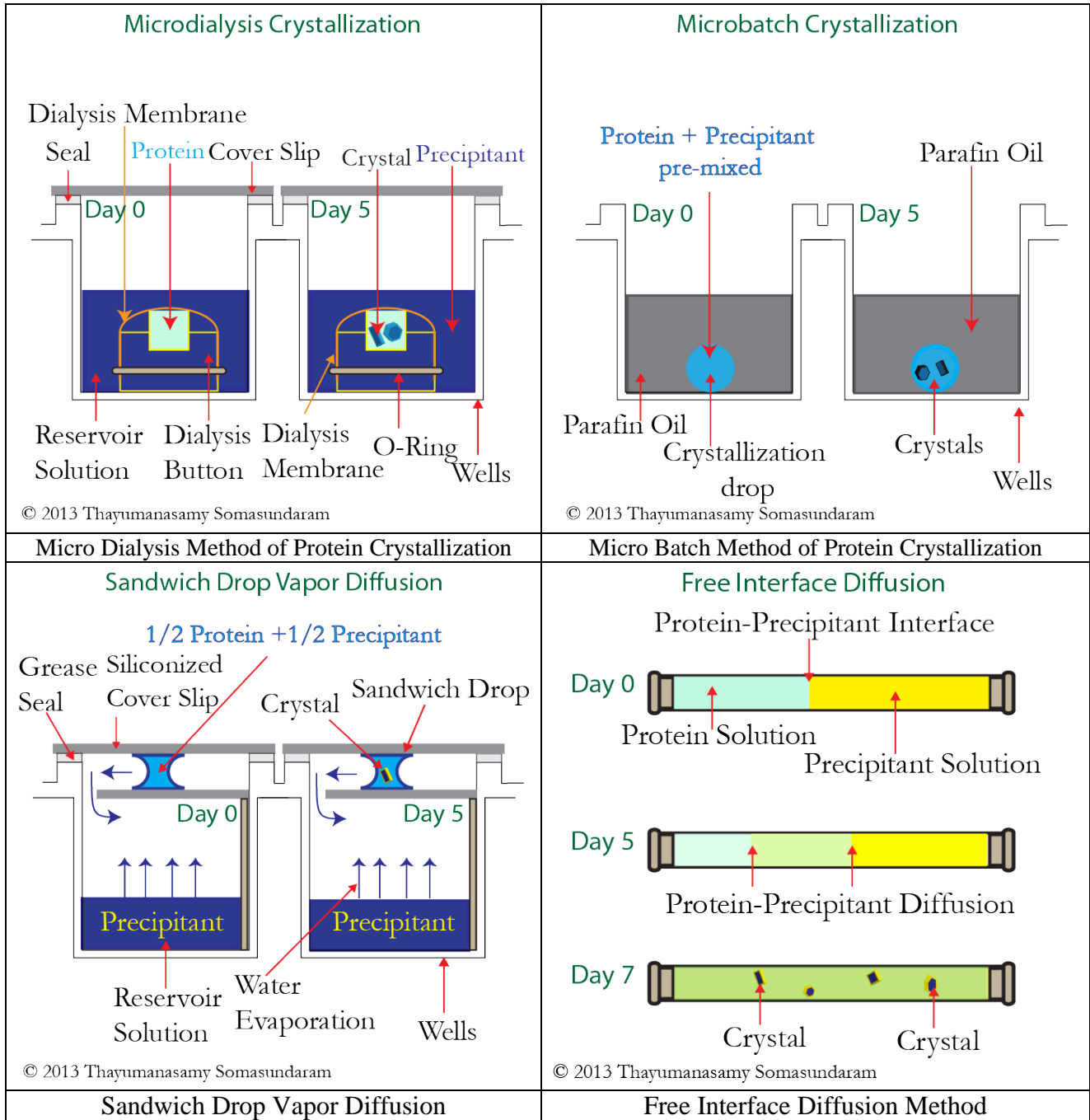


Protein Crystallization Methods

Several methods are available to crystallize protein (macromolecule) crystals

The following figures and diagrams show some of the popular methods available to crystallize a protein (macromolecule) suitable for single crystal X-ray diffraction. There are also minor variations to methods like vapor diffusion and seeding to suit the protein being crystallized. In practice, however, hanging-drop vapor diffusion and micro-seeding methods are much more popular owing to their ease of set-up and the track-record for producing consistent and big crystals.

<p style="text-align: center;">Hanging Drop Vapor Diffusion</p> <p style="text-align: center;">© 2013 Thayumanasamy Somasundaram</p>	<p style="text-align: center;">Sitting Drop Vapor Diffusion</p> <p style="text-align: center;">© 2013 Thayumanasamy Somasundaram</p>
<p style="text-align: center;">Hanging Drop Vapor Diffusion Method of Protein Crystallization</p>	<p style="text-align: center;">Sitting Drop Vapor Diffusion Method of Protein Crystallization</p>
<p style="text-align: center;">Micro Seeding</p> <p style="text-align: center;">© 2013 Thayumanasamy Somasundaram</p>	<p style="text-align: center;">Macro Seeding</p> <p style="text-align: center;">© 2013 Thayumanasamy Somasundaram</p>
<p style="text-align: center;">Micro Seeding Method of Protein Crystallization</p>	<p style="text-align: center;">Macro Seeding Method of Protein Crystallization</p>



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