Rock Maker Key Features

http://www.formulatrix.com/demosite/protein-crystallization/products/rock-maker/index.html#tabbed-nav=tab2

**Powerful Experimental Design Flexibility**

* Using your mouse design experimental layers as small as a single well or as large as several plates, and add ingredients with drag-and-drop functionality.
* Vary conditions randomly with a Random Layer or systematically with a Grid Layer.
* Work with one plate per experiment, or design an experiment with multiple plates.
* Rock Maker is pre-loaded with the most popular commercially available screens, and is flexible enough to let you design your own screens.

**Dynamic and Efficient Image Viewing**

* Visually inspect an entire plate at once with Rock Maker's thumbnail view. Toggle between imaging modes with a few clicks of the mouse.
* Navigate and score your images using your keyboard and customizable scoring schemas, or create your own.
* View images in a slideshow for presentations to colleagues or hands-off image review.
* Filter out empty drops, or view computer-scored positive and negative hits with Autoscoring (requires UV or SONICC imaging).
* Zero in on a region of interest in real-time with dynamic zoom using the scroll wheel on your mouse.
* Annotate, draw on, and measure objects in your images with the tools in the Image Toolbar.
* View up to four drops simultaneously on the Compare tab. Compare different inspections of the same drop, or drops from different experiments.
* Bring out details in UV, SONICC and FRAP images using the leveling histogram.

**World-Class Support and Continuous User-Driven Improvements**

* Our support team continually receives the highest marks for customer satisfaction. Having trouble? Send an email or call – within an hour someone will work on your issue.
* With an average of four releases per year, many of your feedback and suggestions are developed, tested, and implemented – which means the think-tank behind Rock Maker is a pool of crystallographers working at the leading pharmaceutical companies and research universities.

**Pre-populated Database**

* Rock Maker comes configured with ingredients commonly used in crystallization experiments, and the sophistication that allows you to vary the concentration or pH level of any ingredient without needing to input it again.
* Keep your experiments organized with our efficient folder and file structure, using as many or few levels as you want. Simply drag and drop to restructure your work.
* The database tracks more than just proteins. It conveniently bundles the buffers, ligands and other compounds you’re using to crystallize, making it easy to re-use your protein formulations.
* Virtually all commercially available screens are already entered and defined. Just drag-and-drop to select the one you need for your experiment.
* Rock Maker's quick search puts nearly every piece of data in the system at your fingertips.

**Seamless Robot Integration**

* Rock Maker integrates with Rock Imager as well as other Formulatrix products such as the Formulator, Mantis, and NT8 liquid dispensers, so you can design, dispense, image, analyze, and optimize from one place.
* An API is available for developers to use to integrate Rock Maker with other robots.

**Built-In Data Analysis Tools**

* Use Search and Filter to mine your data to uncover trends based on a variety of parameters, helping you to continue your research efforts and focus in on conditions likely to grow bigger and better crystals. Or use the included Sample Searches to get started.
* Create and manipulate charts to visualize your experiment results.
* Print experiment reports for your lab notebooks.

**Built-In Training with Rock Maker University**

Rock Maker University provides tours of the major features and functions, and also provides tutorials that span the entire crystallography process that help you create what you need to create. For example, when you complete the "Make a Protein" tutorial, your efforts will result in a protein formulation you can use in any experiment design -- no time is sacrificed while learning to use the software.