

CrownSyn™ Analysis

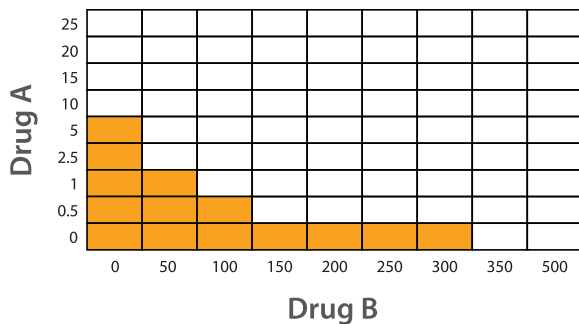


CrownBio
CONNECTING SCIENCE TO PATIENTS

Visualize Two-Drug Combination Data

Evaluate and quantify two-drug combination effects of synergistic, antagonistic, and additive cell-based assays with CrownSyn algorithm-based reports.

Use your dosing data from your existing assays or work with our experts to design a study, taking advantage of CrownBio's well-validated cell lines and variety of assay options.

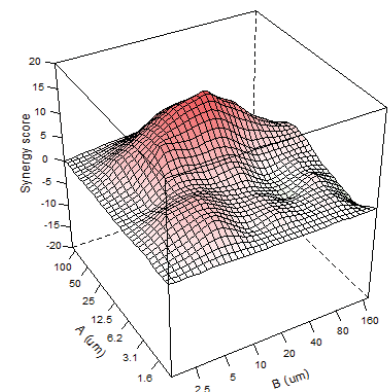
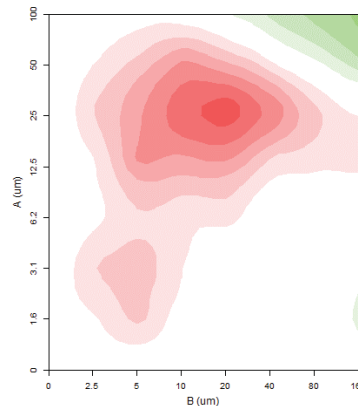


Analyze dosing data from two common types of drug combination experimental designs:

- **Fixed Ratio:** constant concentration ratio
- **Matrix Ratio:** variable concentration ratios

Quantitative Data Visualization

- dose-response curve graphs
- combination index graphs
- inhibition heat maps
- 2D contour maps
- 3D response surface plots



Validated • Accurate • Reproducible • Robust • Reliable

To optimize your CrownSyn service, use CrownBio's extensive cell-based assay options to produce your dosing data, learn more at www.crownbio.com/crownsyn

Acknowledgements

He *et al.* (2018) Methods for High-throughput Drug Combination Screening and Synergy Scoring. In: von Stechow L. (eds) Cancer Systems Biology. Methods in Molecular Biology, vol 1711. Humana Press, New York, NY.

Zhao *et al.* Evaluation of combination chemotherapy: integration of nonlinear regression, curve shift, isobologram, and combination index analyses. *Clinical Cancer Research* 2004;10(23):7994-8004.



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Explore Scientific Data

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