

Large Scale Cancer Cell Panel Screening

Find the right fit between a cancer cell and your therapeutic molecule.

Quickly identify oncology drug responders with our cost-effective, made-to-order cell panel screening service. Benefit from immediate results using the largest selection of commercially licensed cell lines and matched *in vivo* models, ensuring the tailored flexibility to design the screening panels you need.

Advanced Assay Setups

Customize your study with flexible template designs

- 3D cell panel screening options
- Multiple incubation times
- Extended incubation times up to 10 days
- Multiplexed readouts

Real-time Readouts

Adapt your experiments and optimize final results based on incoming data

- Monitoring in real-time via secure online client accounts
- Enhanced cell panel growth data for improved screening quality
- Weekly updates on a drug candidate's effectiveness

Embedded Quality Controls

Ensure screening results between cancer cell types are consistent

- Annotated, well-characterized, SNP/STR verified, mycoplasma tested
- Cell culture media matched to corresponding cell line
- Chemotherapeutic agents, and vehicle controls included

Focused Screening Panels

Remove the guessing and group cell lines together based on certain characteristics

- Multiplex biomarker panels: a growing collection of 500 licensed cancer cell lines of which
 - 200 cancer cell lines with corresponding xenograft models to rapidly move to *in vivo* studies
 - 200 have in-house RNAseq data for target identification
 - 20 are derived from PDX models for improved clinical relevance

~500 Licensed Cell Lines

Based on expertly curated panels or custom built from existing cell line databases

30+ molecules

Choose from a variety of different molecules including kinase inhibitors, antibodies, antibody-drug conjugates, epigenetic modulators, and small and large molecules across tissue types

30+ indications

Covering multiple cancer indications


Screening Schedules

Cut costs and increase efficiency

- Screening runs every 3 months
- Any subpanel of 50 or more cell lines can be scheduled
- Internal drug controls and cell line revival costs are covered by Crown Bioscience

Bioinformatics Support

Receive personalized support from our bioinformatics team for novel targets and biomarkers

- Dose-response curve graphs
 - Combination index graphs
 - Inhibition heat maps for concentration combinations
 - 2D contour maps
 - 3D response surface plots
 - Guided analysis and reporting
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Combination Assays and Screens

Evaluate and quantify drug combinations effects

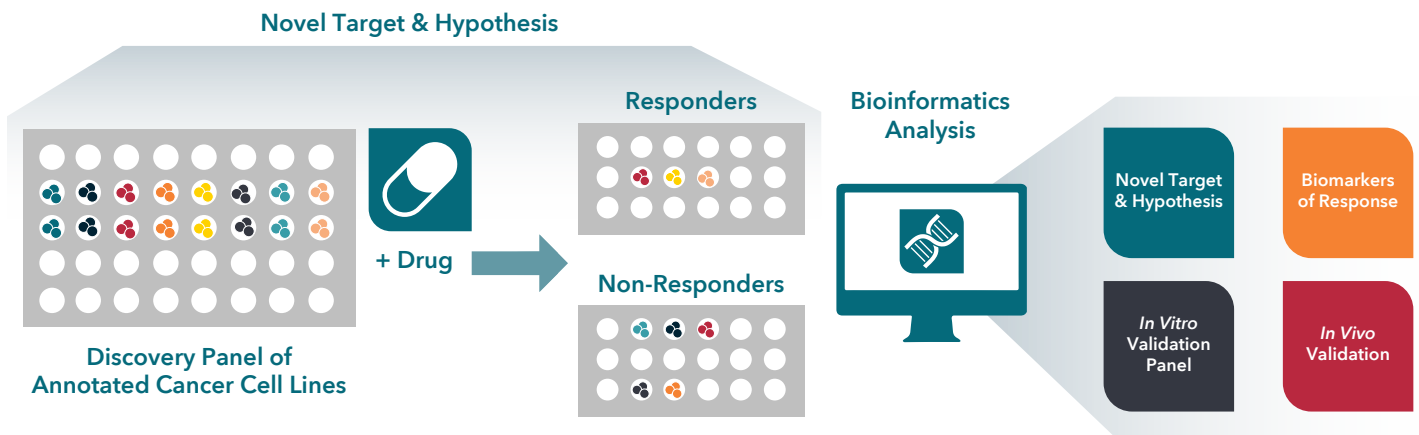
- Combination assays and screens, including proprietary drug combination synergy analysis service
- Visualize and characterize combination effects as synergistic, antagonistic, or additive
- Determine optimal doses for further safety and efficacy studies

Historical Data

Maintain clear relevance to *in vivo* models and real-life clinical settings

- Cancer Cell Panel Screening draws upon historical data from over 100 studies
- Make informed predictions on cell line growth parameters and responses to specific drug candidates based on how specific cell lines previously responded to drug candidates

Cancer Cell Panel Screening



Get in touch



Sales

US: +1 858 622 2900

UK: +44 (0)1530 234871

busdev@crownbio.com

www.crownbio.com

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