

## PDX-derived Cell Line Panel

Screen your compounds on primary cancer cells



A JSR Life Sciences Company

**QUICKFACT**

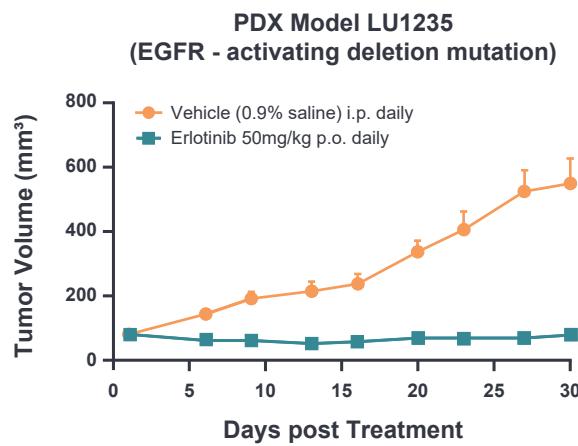
V1.0

## PDX-derived cell lines are isolated primary cells from patient-derived tumor tissues for *in vitro* drug discovery screening.

Compared with traditional cancer cell lines which can drift significantly from the original patient disease, primary cancer cells are both highly relevant to patient disease and are convenient to use in a high throughput screening format.

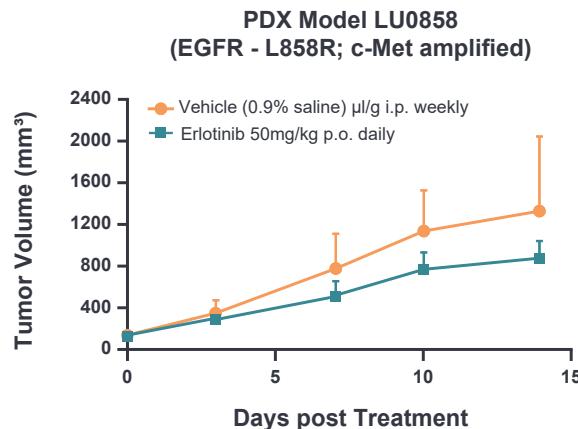
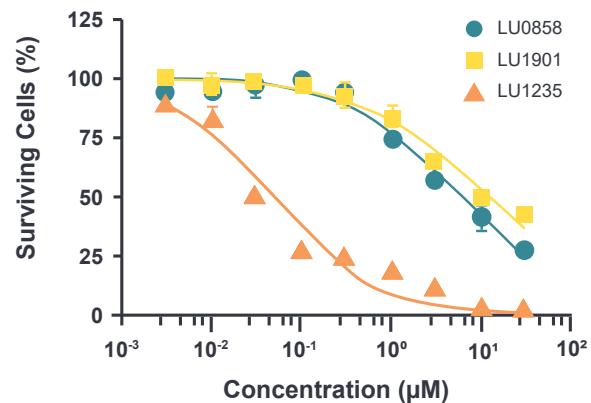
- Each primary cell isolate comes from a genome-defined PDX model
- Link *in vitro* to *in vivo* to clinical efficacy
- Discover predictive biomarkers for drug response

- Curated, online, searchable database PDX model database of:
- Phenotypic and genotypic data
- Patient information
- Growth curves
- Standard of care treatment data

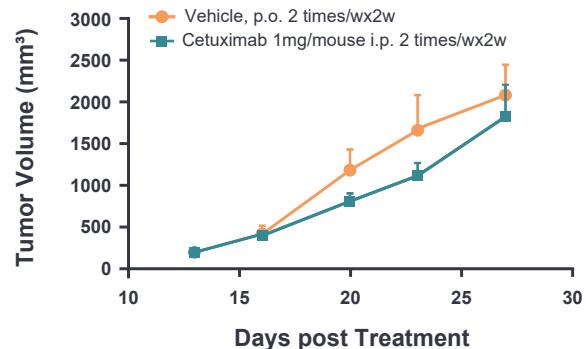


Comparison of the EGFR inhibitor response by 3 NSCLC PrimePanel cell lines *in vitro* and their corresponding parental PDX models *in vivo*

### In Vitro Response to Erlotinib



### PDX Model LU1901 (c-Met amplified)



## Get in touch



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