Assess Potency and Efficacy of Compounds and Biologics

![Graph showing ATP content over 12 days in 3D culture](image)

**Standard Protocol**
- Choose a 3D InSight™ Tumor Model and supply test compounds
- Choose controls (e.g., Sorafenib, Sunitinib, Stavudine, DMSO, etc.)
- Generate 9-point dose response curve, in quadruplicate
- Conduct 10-day exposure experiment with dosing at day 0, 2, 4, 7

**Endpoints**
- Size or fluorescent-based growth kinetics over time
- ATP (Tumor viability) at last day of treatment

**Data Delivered**
- ATP-based dose response curve at day 11
- Size-based growth kinetics over time
- Efficacy (IC₅₀) values

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**Evaluating CAR-T Efficacy on 3D InSight™ A549 Tumor Model**

![Images of tumor microtissues and BF images](image)

**Endpoints**
- Morphological analysis (BF scans, images)
- Tumor Viability (GFP fluorescence)
- Cytokine analysis (supernatant collection)
- Histological analysis

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**Additional Oncology Services**
- Combinatorial Drug Testing
- Tumor Relapse Assay
- Antibody Penetration Assay
- Immuno-modulatory Antibody Efficacy Testing

**Custom Oncology Services**
- If the tumor model systems or services described here or on our website do not meet your requirements, or if you want to test additional endpoints beyond those offered as part of our standard services, contact one of our 3D oncology experts, and we will work with you to design a custom study plan and project deliverables.