

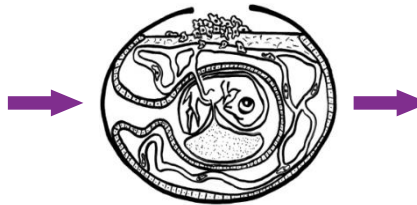
A Unique In Vivo Assay for Your Oncology Drug Candidates

Human Tumor Cell Grafts

15 types of cancer
More than 35 cell lines

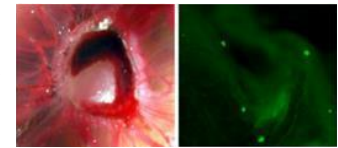


Treatment Period



Analysis

Tumor growth
Metastatic invasion
Early toxicity



Tumor

Nodules

Human Tumors:

- | | | |
|----------------------------|----------------------------|----------------------------|
| - Glioma | - Melanoma | - Lymphoblastoma |
| - Lung Carcinoma | - Endocrine Pancreas | - Gastric Carcinoma |
| - Cervix Adenocarcinoma | - Rhabdomyosarcoma | - Pancreas Carcinoma |
| - Breast Adenocarcinoma | - Colon Adenocarcinoma | - Kidney Adenocarcinoma |
| - Prostatic Adenocarcinoma | - Hepatocellular Carcinoma | - Adrenocortical Carcinoma |

Other cancers still in work. Ask for yours!

Publications:

El Hasasna *et al.*, 2016 - **Scientific Reports**
Kroiss *et al.*, 2015 - **Oncogene**

Mikaelian *et al.*, 2013 - **Cancer Research**
Al Dhaheri *et al.*, 2013 - **PLOS One**

Prudent *et al.*, 2013 - **B.J. Pharmacology**

Classical
preclinical models

inovotion

Advantages

2-3 months	1 month	FAST <i>just one month for your study</i>
1,000 units of drug	1 unit of drug	SENSITIVE <i>requires minute amounts of your drugs</i>
6 - 12 test points	15 - 18 test points	RELIABLE <i>low p value high statistical significance</i>
Yes	Yes	IN VIVO <i>but no animal testing</i>
5-10	1	AFFORDABLE <i>costs less than comparable techniques</i>

Other Advantages:

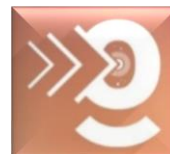
- **Early stage evaluation:** Eliminate low value molecules before the mice studies
- **Great predictivity:** Same cancer cell lines and golden standard molecules as other preclinical models

Decrease the risk in pre-clinical phases



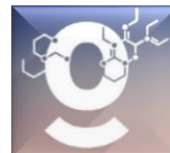
Efficacy & Toxicity

Determine the potential in vivo efficacy and toxicity of your compounds



Target Validation

Validate the involvement of a target in cancer development



Multi-Cancer Screening

*Test your compound on 10 cancers!
Don't miss any valuable molecules*

INOVOTION PORTFOLIO

Tumor Lines	Cell lines
Breast adenocarcinoma	MDA-MB-231, MCF-10A, MCF-7, JIMT-1, T-47D
Lung carcinoma	A549, H358, H292, H460, H520
Cervix adenocarcinoma	Hela
Hepatocellular carcinoma	Hep3B, HepG2
Colon adenocarcinoma	HCT116, COLO829
Prostatic adenocarcinoma	PC3
Glioma	GL261 (mouse)
Melanoma	B16F10 (mouse), MeWo, A375
Rhabdomyosarcoma	RH30
Adrenal gland Carcinoma	H295R
Kidney Adenocarcinoma	786-O
Pancreas carcinoma	MIA Paca-2, Panc-1, PA3D
Lymphoblastoma	Raji, SU-DHL-4
Endocrine Pancreas	L1S, L5
Gastric Carcinoma	N87

Every month we develop a new cell line.

Ask us which cell lines you are looking for!