



Shanghai LIDE Biotech, Co. Ltd.
Lab for Innovated Diagnosis and Experimental Therapeutics

**PDX / CDX / Cell Line Lists /
Rare Drug Resistant & Genetically Modified PDX Models**

Q2-2022

LIDE's foundation built around precision medicine in oncology.

PERSONALIZED ONCOLOGY



LIDE individualized drug screening platform will deliver personalized therapy to 10,000 patients across leading Chinese hospitals. 2500 samples collected to date across 50 indications.

To C

"BEDSIDE-TO-BENCH"



TRANSLATIONAL

"BENCH-TO-BEDSIDE"



ACCELERATED DRUG R&D



Fresh tissue samples delivered daily from LIDE hospital network used to test and validate new compounds. 1600+ projects delivered across 200 clients worldwide

To B

LIDE Biobank: CDX models



Cancer	Cell line	Cancer	Cell line
Liver	HepG2,Hep-3B,Huh7,SNU-398	Glioblastoma	U87MG
Colon	Lovo,HT-29,Colo205,SW480,HCT-116,SW620	Esophageal	KYSE30
Breast	MDA-MB-231,MDA-MB-468,HCC1954	Cervical	Hela
Gastric	MKN-45,NCI-N87,SNU-16, KATOIII, BGC823	Multiple Myeloma	MOLP-8
Pancreatic	MIA-Paca-2	Melanoma	SK-MEL-5
Prostate	PC-3,LNCap,Du 145	Lung	A549,H460,H2009,H1975,H1703, HCC827,H2122,NCI-H226,Calu-3,H1299
Kidney	A498	Lymphoma	Raji,Daudi,NALM-6
Melanoma	A375	Ovarian	SK-OV-3,OVCAR-3,A2780,PA-1
Epidermoid carcinoma	A431		
Leukemia	K562, Jurkat		
Fibrosarcoma/Rhabdomyosarcoma	HT-1080	Total	50

LIDE Biobank: 100+human cancer cell lines



Cancer	Cell line	Cancer	Cell line
Colon	Lovo,HT-29,Colo205,SW48,SW480,SW837, HCT-116,SW620,GP2D,RKO,SK-CO-1,DLD1, Colo 741	Ovarian	SK-OV-3, OVCAR-3, A2780, PA-1, ES-2, EFO-21, TOV-21G
Breast	MDA-MB-231, MDA-MB-468, HCC-1954, BT474, MDA-MB-157, MDA-MB-453, SK-BR-3, T-47D, MCF7	Pancreatic	MIA-Paca-2, Aspc-1, BXPC-3, HPAC, PANC-05.04, PANC-1, SW1990, Panc10.05, Capan 2
Gastric	MKN-45, NCI-N87, SNU-16, KATO III, KATO3-T5-BN, BGC823, SNU-5, NUGC4, MKN28, Hep3B, Hs746T	Lung	A549, CALU-1, H460, DMS14, H2009, H1975, H1703, HCC827, H2122, NCI-H226, Calu-3, H1299, H23, H358, SK-LU-1, EBC-1, H1993, H596, NCI-H441
Prostate	PC-3, LNCap, Du 145, 22RV1	Osteosarcoma	143B, MG-63, Saos-2, U-2 OS
Melanoma	A375, SK-MEL-5	Esophageal	KYSE30, OE19
Liver	HepG2, Hep-3B, Huh7, SNU-398, SK-HEP-1	Glioblastoma	U87MG, U251, A172, LN-229, U-118 MG
Lymphoma	Raji, Daudi, NALM-6, KARPAS-299, MV4-11, OCI-LY3	AML	MOLM-13, OCI-AML2
Leukemia/MM	K562, Jurkat	Bladder Cancer	5637
Fibrosarcoma	HT-1080	Kidney	A498
Epidermoid carcinoma	A431	Cervical	Hela
		Total	106

LIDE Biobank: Popular target expression human cancer cell lines



Expression/mutation	Cell line	Cancer	Expression/mutation	Cell line	Cancer
Claudin18.2 high expression	OE19	Esophageal cancer	LRRC15 high expression	U-87 MG	Brain astroblastoma
	NUGC4	Gastric cancer		U-118 MG	Astroblastoma
	KATO III	Gastric cancer		143B	Osteosarcoma
TROP2 high expression	A172	Glioblastoma		MG-63	Osteosarcoma
	LN-229	Brain medulloblastoma		Saos-2	Osteosarcoma
	U-87 MG	Brain astroblastoma		OE19	Esophageal cancer
	MKN28	Gastric cancer	SK-BR-3	Breast cancer	
ERBB3 high expression	MKN45	Gastric cancer	KRAS G12C	MIA PACA-2	Pancreatic cancer
	Hep G2	Liver cancer	KRAS G13D	DLD1	Colon cancer
	MCF7	Breast cancer	KRAS G61H	NCI-H460	Lung cancer
GPC3 high expression	Hep G2	Liver cancer	KRAS G12V	NCI-H441	Pancreatic cancer
	Hep3B	Liver cancer		Capan 2	Pancreatic cancer
	Huh-7	Liver cancer		PANC 03.27	Pancreatic cancer
	GPC3 no expression	SK-HEP-1		Liver cancer	SW620
EBC-1		Lung squamous		HT29	Colon cancer
MET amplification	Hs746T	Gastric cancer	BRAF V600E	Colo 205	Colon cancer
	H1993	NSCLC	Colo 741	Rectal cancer	
	MET exon 14 skipping	H596	Lung squamous	CDH6 high expression	143B
Panc-1		Pancreatic cancer	U-2 OS		Osteosarcoma
KRAS G12D	GP2D	Colon cancer	EFO-21		Ovarian cancer
	SK-LU-1	Lung adenocarcinoma	NCI-N87		Gastric cancer
	Aspc-1	Metastatic pancreatic	SK-OV-3		Ovarian cancer
	SW1990	Pancreatic cancer	TOV-21G		Ovarian cancer
	panc10.05	Pancreatic cancer	GPR20	EFO-21	Ovarian cancer

LIDE has leveraged patient samples to establish 1600 PDX models

LIDE's biobank covers 40+ cancer types and variant rich



Cancer	No.	Cancer	No.	Cancer	No.
Pancreatic	299	Sarcoma	26	AML	13
Gastric	193	Cervical	16	ALL	9
Ovarian	186	Endometrial	15	MM	3
Lung	145	Duodenum	14	Neuroendocrine	4
Colon	102	Lymphoma	14	Bladder	4
Hepatocellular	96	HNC	6	Malignant pleural mesothel	2
Cholangiocarcinoma	78	Renal	7	Penile	2
Rectal	69	Mucinous carcinoma	5	Fallopian tube carcinoma	2
Glioblastoma	68	Prostate	7	Paget's Disease	1
Osteosarcoma	42	GIST	6	SCPF	1
Breast	41	ACC	5	Spleen	1
Esophageal	41	Urethral	3	MGST	1
Gallbladder	35	Periampullary	2	Chordoma	1
Hepatoblastoma	36	Melanoma	2		

Structured to Bring “Bench to Bedside” to Life

