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Cell Lines for <i>in vitro</i> and <i>in vivo</i> Studies			In-house Reference					
Tissue	Species	Tumour Type	<i>in vivo</i>	<i>in vitro</i>	Orthotopic inoculation	Comment for <i>in vivo</i> work	Other Comments	Lead Time for <i>in vivo</i> studies [weeks]
Bladder								
MB-49-luc 2	Mouse	urinary bladder carcinoma	yes	yes	yes	C57BL/6		2
Bone								
UMR-106	Rat	osteosarcoma	no	yes				
Brain								
A172	Human	Glioblastoma	no	yes				
C6	Rat	glial cell; glioma ; fibroblast	no	no				
DAOY	Human	desmoplastic cerebellar medulloblastoma	yes	yes				
GI-LI-N	Human	Neuroblastoma	no	yes				
IMR-32	human	Neuroblastoma	no	yes				
LAN-5	Human	Neuroblastoma	no	yes				
SNB-19	Human	glioblastoma	no	yes				
U87MG	Human	glioblastoma; astrocytoma	yes	yes	yes	+/- luc		6 for ortho 2 for subQ
Breast								
4 T1	Mouse	breast carcinoma	yes	yes	yes, also as metastasis model	+/- luc, lung liver mets		2
BT-474	Human	breast carcinoma	yes	yes	yes	Estrogen dependent, hormone pellets	HER2 pos	2-4
EMT6	Mouse	breast carcinoma	yes	no	yes, also as metastasis model	lung mets		2
HC 11	Mouse		not tumorigenic	yes				
HC 11-NeuT	Mouse		yes	yes				
HCC1954	Human	breast carcinoma	yes	no	yes	slow growing, C.B-17 SCID	HER2 pos	6
Hs 578Bst	Human	myoepithel, fibroblast	not tumorigenic	yes				
Hs578T	Human	myoepithel, fibroblast	yes	yes				
MCF-7	Human	breast carcinoma	yes	yes	yes	Estrogen dependent, hormone pellets		4
MCF-10A	Human	breast carcinoma	no	yes			HER2 pos	
MDA -MB-231	Human	breast adenocarcinoma, Pleural	yes	yes	yes, also metastasis model	+/- luc		2-3

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MDA-MB-361	Human	breast carcinoma	yes	no			HER2 pos	
MDA-MB-453	Human	breast carcinoma	yes	yes			HER2 pos	4
MDA-MB-468	Human	breast adenocarcinoma	yes	yes	yes, also as metastasis model in bone marrow of tibia	slow growing		7
MMT 060562	Mouse	breast carcinoma	no	yes				4
SK-BR-3	Human	breast carcinoma	no	yes			HER2 pos	
T47D	Human	breast carcinoma	not tumorigenic	no				
Colon								
C170	Human	adenocarcinoma, colorectal		yes				
Colo-201	Human	carcinoma, colorectal	yes	yes	yes			
Colo-205	Human	carcinoma, colorectal	yes	yes	yes	induction of cachexia		3-4
CT-26	Mouse	carcinoma, colorectal	yes	no	yes			
DLD-1	Human	carcinoma, colorectal	no	yes				2
HCT-15	Human	carcinoma, colorectal	yes	yes				2
HCT 116	Human	carcinoma, colorectal	yes	yes	yes			2-4
HT-29	Human	adenocarcinoma, colorectal	yes	yes	yes			2
Km12L4	Human	carcinoma, colorectal	no	no				
LoVo	Human	carcinoma, colorectal	yes	no		s.c. sensitive to 5FU		3-4
MC-38	Mouse	adenocarcinoma	yes	yes	no	C57BL/6		
SW480	Human	carcinoma, colorectal	yes	no				4
SW620	Human	carcinoma, colorectal	yes	no		resistant		4
WiDr	Human	carcinoma, colorectal	yes	no				2
Connective								
HT-1080	Human	fibrosarcoma	yes	yes				
L-929	Mouse	subcutaneous connective tissue; areolar and adipose	not tumorigenic	yes				
Sarcoma 180	Mouse	sarcoma	no	yes				
Head & Neck								
SCC-15	Human	squamous cell carcinoma	no	yes		not tumorigenic, very slow growing		
Kidney								
786-O	Human	renal cell adenocarcinoma	yes	yes	not tested	slow growing		3-5
ACHN	Human	renal cell adenocarcinoma	yes	yes	not tested	slow growing		3-5
Leukemia/Lymphoma - Bone Marrow								
RS(4)11	Human	Acute lymphoblastic leukemia	no	yes				
SUP-B15	Human	Acute lymphoblastic leukemia, B lymphoblast						
K-562	Human	chronic myelogenous leukemia (CML) bone marrow	yes	yes				3-4
L-540	Human	Hodgkin lymphoma	no	yes				
NCI-H929	Human	Plasmacytoma, multiple myeloma (MM), B lymphocyte	yes	no	in bone marrow of the tibia	bone lytic when injected in bone marrow of tibia		4

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Leukemia/Lymphoma - Peripheral Blood								
CCRF-CEM	Human	T lymphoblast, acute lymphoblastic leukemia	no	yes				4
CEM/C1	Human	T lymphoblast, acute lymphoblastic leukemia	yes	yes				
Daudi	Human	B lymphoblast, Burkitt's lymphoma (NHL)	yes	yes	yes	iv injection in SCID mice		4
HD-MY-Z	Human	Hodgkin lymphoma	no					
HL-60	Human	Acute promyelocytic leukemia, promyeloblast	yes	yes		from fragments		4
KASUMI-1	Human	Acute myeloblastic leukemia, myeloblast	yes	no				4
L-1236	Human	Hodgkin lymphoma	no	yes				
LP-1	Human	Plasmacytoma, multiple myeloma	yes	no	in bone marrow of the tibia	bone lytic when injected in bone marrow of tibia		4
MOLM-13	Human	Acute myeloid leukemia	no	yes				
MOLT-4	Human	Acute lymphoblastic leukemia, T lymphoblast	no	yes		used in screening		
MUTZ-2	Human	acute myeloid leukemia	no	yes		used in screening		
MV(4)11	Human	biphenotypic B myelomonocytic leukemia, macrophage	yes	yes	yes	i.v. injection in NOD SCID		4
OCI-AML 2	Human	Acute myeloid leukemia	no	yes		used in screening		
PEER	Human	T cell acute lymphoblastic leukemia (T-ALL)	no	yes		used in screening		
Raji	Human	Burkitt's lymphoma, B lymphocyte	yes	yes	yes	iv injection in SCID, also available as luc clone		4
Ramos	Human	Burkitt's lymphoma, B lymphocyte	yes	no	yes			
RPMI 8226	Human	Plasmacytoma, multiple myeloma, B lymphocyte	yes	yes		bone lytic when injected in bone marrow of tibia		4
SKM-1	Human	Acute myeloid leukemia	no	yes				
U937	Human	Histiocytic lymphoma	no	yes				
Liver								
Hep 3B2.1-7	Human	hepatocellular carcinoma	yes	yes	yes	subcutaneous and orthotopic, >90% take rate		3
HEPA 1-6	Mouse		yes	yes				
HUH-7	Human	carcinoma	yes	yes	yes	variable and fast growing, also available as luc2		3
PLC/PRF/5	Human	hepatoma		yes				
SK-HEP-1	Human	adenocarcinoma	yes	yes	yes			4
SNU-182	Human	hepatocellular carcinoma		yes				
Lung								
A549	Human	NSCLC	yes	yes				2
Calu-3	Human	adenocarcinoma (Pleural effusion)	yes	no				3-4
Calu-6	Human							
H69AR	Human							
HCC827	Human	epithelial						
HOP-92	Human	NSCLC, pleural effusion	no	yes				3-4
LL/2	Mouse	Lewis Lung (C57BL6)	yes	no	yes with LL-2 luc			2-3

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NCI-H69	Human	SCLC, Small Cell Carcinoma	yes	yes	from fragments			3-4
NCI-H82	Human	NSCLC	yes	no				2-4
NCI-H146	Human	NSCLC	yes	yes				4
NCI-H209	Human	SCLC, Small Cell Carcinoma	yes	yes	high variability			3
NCI-H226	Human	NSCLC	yes	yes				4
NCI-H460	Human	NSCLC, pleural effusion	yes	yes	also with NCI-H460 luc 2			2-4
NCI-H520	Human	NSCLC, Squamous cell carcinoma	yes	yes				2-3
NCI-H596	Human	NSCLC, adenosquamous carcinoma	yes	yes	from fragments			4-6
NCI-H1975	Human	epithelial						NCI-H1975
WI-38	Human	normal fibroblast	not tumorigenic	yes				
Ovary								
A2780	Human	ovary, adenocarcinoma	yes					2-3
ADDP	Human	ovary, adenocarcinoma	no	no				
NCI ADR-res	Human	ovary, adenocarcinoma	no	yes				
NIH;OVCAR-3	Human	ovary, adenocarcinoma	yes	yes		SCID mice		5
NIH;OVCAR-4	Human	ovary, adenocarcinoma	no	no				
NIH;OVCAR-5	Human	ovary, adenocarcinoma	no	no				
SK-OV-3	Human	adenocarcinoma , ovary, Malignant Ascites	yes	yes	not tested	SCID mice also available as SKOV3 luc R2		3-5
Pancreas								Pancreas
AsPC-1	Human	adenocarcinoma	no	yes				
BxPC-3	Human	adenocarcinoma	yes	yes				3-5
Capan-1	Human	from liver mets	no	yes				
HupT4								
L3.6pl	Human	carcinoma	yes	no	metastasis in LN, panc-			2-4
MIA PaCa-2	Human	carcinoma	yes	yes	yes in Athymic Foxn1 nude			2-4
PANC-1	Human	epithelioid carcinoma	yes	yes		SCID mice		3-6
Pan02	Mouse	carcinoma	yes	no		C57Bl6		5
Prostate								
DU 145	Human	prostate carcinoma	yes	yes	slow growth rate			4
LN-CaP	Human	prostate carcinoma	yes	yes		Androgen depended		4-6
PC3	Human	prostate adenocarcinoma	yes	yes	inoculation into tibia tested (bone lysis model) also as PC3 -luc prostate model			2-3
PC3-M	Human	prostate adenocarcinoma	yes	yes	metastasis, induction of cachexia			2-3
Skin								
A375	Human	malignant melanoma	yes	yes				2-3
A431	Human							
B16-F0	Mouse	melanoma	yes	in progress	Yes, C57BL/6 (intradermal)			2

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B16-F10	Mouse	melanoma	yes	yes	Yes, C57BL/6 (intradermal)			2
C32	Human	melanoma	yes	no		s.c.		2
C8161	Human	malignant melanoma	yes	no	Yes, Athymic nude (intradermal)	metastatic clone (lung)		3
CHL-1	Human	melanoma	yes	no	fast growing			2
G361	Human	malignant melanoma	yes	yes	lung and liver metastasis, induction of cachexia	Orthotopic (intradermal)		4
HT 144	Human	malignant melanoma		yes				
Malme-3	Human	malignant melanoma	no	yes				
Malme-3M	Human	malignant melanoma	no	yes				
MDA-MB-435S	Human	melanoma	not tumorigenic	no	not tested	low take rate		3
SK-MEL-2	Human	malignant melanoma	no	yes				
SK-MEL-5	Human	malignant melanoma	no	yes				
SK-MEL-28	Human	malignant melanoma	no	yes				
WM-266-4	Human	melanoma, from metastatic site		yes				
Stomach								
MKN-45	Human	human, stomach, adenocarcinoma	yes	yes				
NCI-N87	Human	gastric carcinoma	no	yes				
Testis								
F9	Mouse		no	yes				
Thyroid								
BHT-101	Human	squamous cell carcinoma	no	yes				1-2
SW579	Human	squamous cell carcinoma	no	yes				
Uterus								
MES-SA	Human	Uterine Sarcoma	no	yes				
MES-SA/Dx5	Human	Uterine Sarcoma	no	yes				
Vulva								
SK-LMS-1	Human	leiomyosarcoma	no	no				
Other								
Hela	Human	cervical carcinoma	no	yes				