

List of cell line models

Cell Line	Tissue Origin	Specie	Cancer	Non-Cancerous	Type of Tumor		In Vivo Tumor Models		
					Solid	Haematological	Allograft	Xenograft	Metastatic
MDA-MB-231	Breast	human	√		√			√	√
MDA-MB-453	Breast	human	√		√				
MCF-7	Breast	human	√		√				
HCC1143	Breast	human	√		√				
4T1	Breast	murine	√		√		√		√
MXT	Breast	murine	√		√		√		√
DU145	Prostate	human	√		√				
PC-3	Prostate	human	√		√			√	
LNCaP	Prostate	human	√		√				
22RV-1	Prostate	human	√		√			√	
A2780	Ovarian	human	√		√			√	
OVCAR-3	Ovarian	human	√		√			√	
OVCAR-8	Ovarian	human	√		√			√	
SK-OV-3	Ovarian	human	√		√				
HeLa	Uterus; Cervix	human	√		√				
KB	Derived from HeLa	human	√		√			√	
ECV-304	Bladder; from T24	human	√		√				
HepG2	Liver	human	√		√				
Huh-7	Liver	human	√		√				
U87MG	Glioma	human	√		√			√	
A2058	Melanoma	human	√		√			√	√
A375	Melanoma	human	√		√				
WM983b	Melanoma	human	√		√				
HT168-M1/9*	Melanoma	human	√		√				
M24	Melanoma	human	√		√				
SK-MEL-28	Melanoma	human	√		√				
HT-199**	Melanoma	human	√		√				
MeWo	Melanoma	human	√		√				
WM983a	Melanoma	human	√		√				
WM35	Melanoma	human	√		√				
B16	Melanoma	murine	√		√		√		√
A431	Skin Epidermis	human	√		√				
PE/CA-PJ41	Head and neck	human	√		√			√	
PE/CA-PJ15	Head and neck	human	√		√				
FaDu	Head and neck	human	√		√			√	
Cal-27	Head and neck	human	√		√			√	
HN22***	Head and neck	human	√		√				

Cell Line	Tissue Origin	Specie	Cancer	Non-Cancerous	Type of Tumor		In Vivo Tumor Models		
					Solid	Haematological	Allograft	Xenograft	Metastatic
H1975	Lung	human	√		√			√	
H1650	Lung	human	√		√			√	
A549	Lung	human	√		√			√	
H358	Lung	human	√		√				
H838	Lung	human	√		√				
H1792	Lung	human	√		√			√	
SW1573	Lung	human	√		√				
LCLC-103H	Lung	human	√		√			√	
SW-900	Lung	human	√		√				
H-520	Lung	human	√		√				
SHP-77	Lung	human	√		√				
HCC-15	Lung	human	√		√				
LOU-NH91	Lung	human	√		√				
LLC	Lung (Lewis)	murine	√		√		√		√
HT-29	Colon	human	√		√			√	√
HCT116	Colon	human	√		√			√	
WIDR	Colon	human	√		√				
SW48	Colon	human	√		√				
SW480	Colon	human	√		√				
SW620	Colon	human	√		√				
HCA-7	Colon	human	√		√				
Caco-2	Colon	human	√		√			√	
C26	Colon	murine	√		√		√		√
C38	Colon	murine	√		√		√		
CMT-93	Rectum	murine	√		√		√		
SNU-C2B	Caecum	human	√		√				
PANC-1	Pancreas	human	√		√			√	
CFPAC-1	Pancreas	human	√		√			√	
MiaPaca2	Pancreas	human	√		√				
BxPC3	Pancreas	human	√		√			√	
SW1990	Pancreas	human	√		√				
HT-1080	Fibrosarcoma	human	√		√			√	
KS IMM	Kaposi sarcoma	human	√		√			√	
S180	Sarcoma	murine	√		√		√		
PFHR9	Mice embryonal carcinoma	murine	√		√		√		
HT58	B-cell NHL	human	√			√			
HH	T cell lymphoma	human	√			√			
K562	CML	human	√			√			

Cell Line	Tissue Origin	Specie	Cancer	Non-Cancerous	Type of Tumor		In Vivo Tumor Models		
					Solid	Haematological	Allograft	Xenograft	Metastatic
Jurkat	ALL	human	√			√			
MDS-AL	ALL; Der. from Jurkat	human	√			√			
MOLT-4	ALL	human	√			√			
CCRF-CEM	ALL	human	√			√			
CEM/SS	ALL	human	√			√			
THP-1	AML	human	√			√			
HL-60	AML	human	√			√			
MV4-11	AML	human	√			√		√	
P388	Leukemia	murine	√			√	√		
MRC-5	human embryo fibroblast, lung	human		√					
CCD986SK	human skin fibroblast, normal breast tissue	human		√					
HUVEC-TERT	human umbilical vascular endothelial cell immortalized with hTERT	human		√					
LX-2	Liver Stellate cells	human		√					
NIH-3T3	Mice fibroblast from embryo	murine		√					
L929	Mouse fibroblast from connective (adipose) tissue	murine		√					

* Obtained by subcutaneous implantation of A2058 melanoma cells into immunosuppressed mice. Low metastatic potential. (PMID: 2606930, 2203689, 11448059.)

** Developed by our group; xenograft derived from a nodular cutaneous primary tumor that developed in a 23-years-old woman. (PMID: 7620343, 10667390, 21102359, 22688676, 29966365)

*** Wayne State University

NHL Non-Hodgkin's lymphoma
CML chronic myeloid leukemia
ALL acute lymphoblastic leukemia
AML acute myeloid leukemia