

LIST OF AVAILABLE CELL LINES

Cell Line	Growth	Tissue	Medium
Armyworm, Fall <i>Spodoptera frugiperda</i>			
Sf9*		Ovary	Grace's Insect + FCS
Sf21*		Ovary	Grace's Insect + FCS
	Baculovirus cultivation, recombinant protein expression		
Bat, free-tailed <i>Tadarida brasiliensis</i>			
Tb 1 Lu(NBL12)		Lung	MEM (E) with NEAA + FCS
	Primary lung cells supporting growth of viruses from a heterothermal animal		
Bovine cow <i>Bos taurus</i>			
BT		Turbinate	DMEM +FCS
MDBK (NBL1)		Kidney	MEM (E) with NEAA + FCS
	Susceptible to different bovine viruses		
Cat <i>Felis catus</i>			
AK-D		Lung	Ham's F12 K + FCS
CRFK		Kidney	MEM (E) with NEAA + FCS
	Isolation of feline viruses		
Chicken <i>Gallus gallus</i>			
LMH		Chemically induced	Waymoyht's MB752+FCS
LMH2A		Liver	Waymoyht's MB752+FCS
MSB-1		Lymphoblastoid Cell line	RPMI 1640 +FCS
Dog <i>Canis familiaris</i>			

MDCK(NBL2)		Kidney	MEM (E) with NEAA + FCS
	Isolation of canine viruses		
Drosophila, fruit fly <i>Drosophila melanogaster</i>			
D.Mel(2)*		Embryo	Schneider's Drosophila + FCS
	Model cell line for study of Eect physiology		
Fish			
FHM		Skin	MEM (H) + FCS
RTG-2		Gonads	MEM (E) with NEAA + FCS
Fox, Grey Urocyon <i>cineroargenteus</i>			
FoLu		Lung	MEM (E) with NEAA + FCS
Hamster, Armenian <i>Cricetulus migratorius</i>			
AHL-1		Lung	MEM (E) with NEAA +FCS
Hamster, Chinese <i>Cricetulus griseus</i>			
CHO-K1		Ovary	Ham's F12 +FCS
	Microinjection and transfection of cells to study gene expression		
CHO		Ovary	MEM(E)+FCS
Don		Lung	Puck's N16
V 79		Lung	DMEM +FCS
R1610		Somatic cell	DMEM +FCS

Hamster, Syrian golden <i>Mesocricetus auratus</i>			
BHK-21(C-13)		Kidney	Modified BME (E) +FCS
	Isolation of FMD and rabies virus		
RPMI 1846		Melanoma	McCoy's 5A +FCS
Horse <i>Equus caballus</i>			
E.Derm (NBL6)		Dermis	MEM (E) with NEAA +FCS
	Cultivation of viruses of equine origin		
Human <i>Homo sapiens</i>			
293 (HEK 293)		Kidney	MEM (E) with NEAA +FCS
	Titration of human adenoviruses		
293T		Kidney	MEM (E) with NEAA +FCS
143 B		Sarcoma	MEM (E) with BudR +FCS
	Thymidine kinase deficient, resistant to bromodeoxyuridine		
8 E 5*		Lymphocyte T	RPMI 1640 +FCS
A375		Melanoma	DMEM with high glucose + FCS
A431		Skin Carcinoma	DMEM with high glucose +FCS
	Cells have several EGF binding sites		
A498		Carcinoma, Kidney	MEM (E) with NEAA +FCS
A549		Lung carcinoma	Ham's F12k + FCS
	Cells synthesize leicithin		
ACHN		Renal carcinoma	MEM (E) with NEAA +FCS
	Antiproliferative studies using interferon		
AGS		Stomach	Ham's F12k + FCS
AV 3		Amnion	MEM (E) with NEAA +FCS
BeWo		Choriocarcinoma	Ham's F12k + FCS
	Cells synthesize human chorionic gonadotropin (hCG)		
Bu25 TK		Cervix	DMEM with high glucose + FCS
C33A		Cervix	MEM (E) with NEAA +FCS
Caco-2		Colon	MEM (E) with NEAA +FCS

Caski		Cervix (Small Intestine)	RPMI 1640 +FCS
Chang Liver		Liver	MEM (E) with NEAA +FCS
COLO 205		Colon	RPMI 1640 +FCS
	Cells produce carcino embryonic antigens		
COLO 320 DM		Colon	RPMI 1640 +FCS
	Cells synthesize serotonin and epinephrine, express c-myc		
Daudi*		Burkitt Lymphoma	RPMI 1640 +FCS
	Model system to study Leukemogenesis		
DU145		Brain, Prostate	MEM (E) with NEAA +FCS
EB-1*		Maxilla	RPMI1640 +FCS
EB-3*		Burkitt Lymphoma	RPMI 1640 +FCS
FL		Amnion	MEM (E) + Calf Serum
G-361		Melanoma	McCoy's 5A +FCS
GK-5		Lymphoblast	IMDM + FCS
	EBV transformed B cell useful for fusion and hybridoma production		
HEp-2		Larynx	MEM (E) with NEAA +FCS
HEp-2C		Larynx	MEM (E) with NEAA +FCS
Cultivation of arboviruses			
H9*		Lymphoma	RPMI 1640 +FCS
	Clonal derivative of HuT 78, use in isolation and production of HIV variants		
HCT-15		Colon Adenocarcinoma	RPMI 1640 +FCS
HCT-116		Colon	McCoy's 5A +FCS
HeLa		Cervix	MEM (E) with NEAA +FCS
HeLa 229		Cervix	MEM (E) with NEAA +FCS
HeLa S3		Cervix	Ham's F12 +FCS
	Clone of HeLa, can be grown as suspension culture		
Hep 3B		Liver	MEM (E) with NEAA +FCS
	Cells synthesize several hepatic proteins		
Hep G2		Liver	MEM (E) + FCS
	Cells synthesize several hepatic proteins		
HL-60*		Leukemia	RPMI 1640/ IMDM +FCS
	Cells exhibit phagocytic activity		
HOS		Sarcoma	MEM (E) with NEAA +FCS
	Sensitive to chemical and viral transformation		

HS-Sultan*		Plasmacytoma	RPMI 1640 +FCS
HT 29		Adenocarcinoma, colon	McCoy's 5A +FCS
HT-1080		Fibrosarcoma	DMEM +FCS
HuT 78*		Lymphoma	RPMI 1640 +FCS
HUH-7		Liver	DMEM:F12mixture+FCS
IMR-32		Neuroblastoma	MEM (E) with NEAA +FCS
INT 407		Intestine	MEM (E) with NEAA +FCS
Jiyoye*		Ascitic fluid	RPMI 1640 +FCS
JM1*		B Lymphocyte	IMDM +FCS
CD10 and CD10 positive cells			
Jurkat E6.1*		Leukemia	RPMI 1640 +FCS
JurkatJ6		Leukemia	RPMI 1640 +FCS
K-562*		Leukemia	RPMI 1640 +FCS
KB		Mouth	MEM (E) with NEAA +FCS
KB 3-1		Mouth	DMEM+FCS
KB.CHR.8-5		Mouth	DMEM+FCS
KG-1*		Leukemia	IMDM +FCS
Responsive to colony stimulating activity			
KG-1A*		Leukemia	IMDM +FCS
KHOS-NP(R-970-5)		Sarcoma	MEM (E) with NEAA +FCS
L-132		Lung	MEM (E) +FCS
LN-18		Brain/Cerebrum	DMEM+4mM Glut+FCS
LNCaP.FGC		Prostate	RPMI 1640 with HEPES + FCS
Cells produce prostate specific antigen and have androgen receptors			
MCF-7		Breast	MEM (E) with NEAA +FCS
MDA-MB-435s		Ductal Carcinoma	Leibovitz-15 +FCS
MDA-MB -453		Breast	Leibovitz-15 +FCS
MDA-MB-231		Breast	Leibovitz-15 +FCS
MDA-MB-468		Breast	Leibovitz-15 +FCS
ME-180		Cervix	McCoy's 5A +FCS
MG-63		Osteosarcoma	MEM (E) with NEAA +FCS
MIA-Pa-Ca-2		Pancreas	DMEM +FCS
MO		Leukemia	IMDM +FCS
MOLT-3*		Leukemia	RPMI 1640 +FCS

MOLT-4*		Leukemia	RPMI 1640 +FCS
MOT		Leukemia(T Lymphocyte)	IMDM+FCS
Namalwa*		Lymphoblastoid	RPMI 1640 +FCS
NC-37		Leucocytes	RPMI 1640 +FCS
NCI-H23		Lung Adenocarcinoma	RPMI 1640 with HEPES + FCS
NCI-H522		Lung carcinoma	RPMI 1640 with HEPES + FCS
NCI-H460		Large cell carcinoma	RPMI 1640 with HEPES + FCS
NCI-H520		Lung	RPMI 1640 with HEPES + FCS
P3HR1		Ascitis	RPMI 1640 +FCS
PA-1		Ovary	MEM (E) with NEAA +FCS
PANC-1		Pancreas	DMEM+FCS
PC-3		Prostate	Ham's F12k + FCS
	Cells produce acid phosphatase		
PLC/PRF/5		Liver	MEM (E) +FCS
	Cells secrete hepatitis B antigen		
RAJI		Maxilla	RPMI 1640 +FCS
	Burkitt lymphoma cells used for transfection		
RAJI A	Clone of Raji	Burkitt Lymphoma cell	RPMI 1640 +FCS
RPMI 2650		Nasal septum	MEM (E) with NEAA +FCS
RPMI 7951		Melanoma	MEM (E) with NEAA +FCS
RPMI 8226		Myeloma	RPMI 1640 +FCS
Saos-2		Sarcoma	McCoy's 5A +FCS
SH-SY-5Y		Neuro Blastoma	Hams' F12K+FCS
SiHa		Cervix	DMEM +FCS
SW -13		Adrenal cortex	Ham's F10 +FCS + Horse Serum
SW-480		Colon	L15+FCS
SW-620		Colon/Lymph node	L15+FCS
	Cells possess large number of gap junctions		
T-24		Urinary Bladder	McCoy's 5A +FCS
T-47D		Breast	RPMI 1640 with HEPES + FCS
THP-1		Monocyte	RPMI 1640 +FCS
	Cells produce lysozyme and are phagocytic		
TK6		Lymphoblast	RPMI 1640 +FCS

TT		Thyroid	Ham's F12k + FCS
U266B1		Myeloma	RPMI 1640 +FCS
U87MG		Glioblastoma	MEM (E) with NEAA +FCS
U-937		Lymphoma	RPMI 1640 +FCS
WISH		Amnion	MEM (E) + Calf Serum
WM 266-4		Melanoma	MEM (E) with NEAA +FCS
WRL 68		Liver	MEM (E) with NEAA +FCS
Y79		Retinoblastoma	RPMI 1640 +FCS
ZR-75-1		Breast	RPMI 1640 +FCS
Marmoset			
B95-8		Leukocytes	RPMI 1640 +FCS
	Cells secrete high titres of transforming Epstein Barr virus		
Monkey, African green <i>Cercopithecus aethiops</i>			
Mv 1 Lu (NBL7)		Lung	MEM (E) with NEAA +FCS
BS-C-1		Kidney	MEM (E) with NEAA +FCS
	Suitable host for transformation by SV40 vectors		
COS 7		Kidney	DMEM +FCS
COS-1		Kidney	DMEM +FCS
CV-1		Kidney	MEM (E) with NEAA +FCS
	Suitable host for transformation by SV40 vectors		
TC-7		Kidney	MEM (E) with NEAA +FCS
VERO 76		Kidney	MEM (E) with NEAA +FCS
VERO C1008		Kidney	MEM (E) with NEAA +FCS
Vero		Kidney	MEM (E) with NEAA +FCS
	Cells used for virus multiplication and plaque assay		
Monkey, Buffalo Green Monkey Kidney (BGMK) cells			
BGM		Kidney	DMEM +FCS
Monkey, Owl <i>Aotus trivirgatus</i>			

OMK		Kidney	MEM (E) with NEAA +FCS
Monkey, Orangutan			
PUTI		B cell	IMDM +FCS
Monkey, Rhesus <i>Macaca mulatta</i>			
LLC MK-2		Kidney	MEM (E) with NEAA +FCS
MA-104		Kidney	MEM (E) with NEAA +FCS
Mosquito			
AA23		Aedes albopictus	MEM with low bicarb+FCS
	Cultivation of arboviruses		
A.albopictus		Larvae	M.M. medium +FCS
A.stephansii			MEM with low bicarb+FCS
A. W albus			MM+10%FBS
	Replication of mosquito-borne viruses		
C6/36		Larvae	MEM with low Bicarb+FCS
	Clone of A. albopictus cells adapted to grow in minimal essential medium		
Mouse <i>Mus musculus</i>			
2PK-3		Lymphoma	DMEM+FCS
3T3-L1		Embryo	DMEM + Calf Serum
	Cells undergo predispose to adipose conversion		
3T3-Swiss albino		Embryo	DMEM +FCS
3T6-Swiss albino		Embryo	DMEM +FCS
AtT-20		Pituitary	DMEM + NBCS
B16-F0		Melanoma	DMEM +FCS
B16-F1		Melanoma	DMEM +FCS
B16-F10		Skin	DMEM +FCS
BALB-3T3, clone A31		Embryo	DMEM + Calf Serum
Beta TC-6		Pancreatic tumor	DMEM+FCS

BW 5147.3		Lymphoma	DMEM with high glucose + Horse seru
C2C12		Muscle	DMEM +FCS
C127I		Breast	DMEM with high glucose +FCS
C3H/10 T1/2 ,clone 8		Embryo	BME (E) +FCS
Clone M-3		Melanoma	Ham's F10 +FCS
Melanin producing cells, capable of forming melanotic tumors in mice			
Ehrlich-Lettre Ascites-E (EAC)		Carcinoma	DMEM +FCS
EL-4		Lymphoma/Leukemia	DMEM +FCS
ES-E14TG2a		Embryo	DMEM with high glucose +FCS
Mouse pluripotent embryonic cells			
FO		Melanoma	DMEM with high glucose +FCS
Fusion partner for production of hybridoma			
FOX-NY		Melanoma	RPMI 1640 with HEPES +FCS
Fusion partner for production of hybridoma			
Hepa 1-6		Liver	DMEM +FCS
I-10		Testes	Ham's F10 +FCS
IC-21		Macrophage	RPMI 1640 +FCS
J774A-1		Monocyte-Macrophage	DMEM +FCS
L929		connective tissue	MEM (E) with NEAA +FCS
L1210		Leukemia/Skin	DMEM +FCS
LBRM-33-1A5		Lymphoma	RPMI 1640 +FCS
LBRM-33-5A4		Lymphoma	RPMI 1640 +FCS
L-M		Connective tissue	DMEM with high glucose +FCS
L-M(TK-)		Connective tissue	DMEM with high glucose +FCS
McCoy		Fibroblast	MEM (E) with NEAA +FCS
MEF (Primary)		Embryonic Fibroblast	DMEM +FCS
Min6		Pancreatic B cells	DMEM +FCS
NB-41A3		Neuroblastoma	Ham's F10 +FCS
NCTC Clone 929		Connective tissue	DMEM +FCS
Neuro 2a (N2a)		Neuroblastoma	MEM (E) with NEAA +FCS
NIH/3T3		Embryo	DMEM with high glucose + NBFS
P388.D1		Lymphoma	RPMI 1640 +FCS
Cells secrete interleukin-1			
P3X63Ag8.653		Myeloma	RPMI 1640 +FCS

	Fusion partner for production of hybridoma		
P815		Mastocytoma	DMEM +FCS
PA 317		Embryo	DMEM with high glucose +FCS
	8-azaguanine resistant cells, used in somatic cell hybridization		
Raw 264.7		Monocyte Macrophage	DMEM +FCS
Sp2/01-Ag 14		Myeloma	DMEM +FCS
	Fusion partner for production of hybridoma		
STO		Embryo	DMEM +FCS
TM3		Testis	DMEM +Ham's F12 +FCS + Horse serum
	Target cells for chromium release assay		
WEHI 164		Fibrosarcoma	DMEM +FCS
WEHI -3		Myelomonocyte	Ham's F12K + DMEM +FCS
	Cells secrete granulocyte colony stimulating factor		
X16 C8.5		Lymphoma	RPMI 1640 with HEPES +FCS
	Steroid secreting adrenal tumor cells		
YAC-1		Lymphoma	RPMI 1640 +FCS
Munt jac, Indian			
Indian Muntjac		Skin	Ham's F10 +FCS
	Mammal with the lowest number of chromosome number		
Pig Sus scrofa			
JH 4 Clone 1		Lung	Ham's F12K +FCS
PK-15		Kidney	MEM (E) with NEAA +FCS
PS		Kidney	MEM (E) with NEAA +FCS
Rabbit <i>Oryctolagus cuniculus</i>			
HIG-82		Synoviocyte	Ham's F12 +FCS
RK 13		Kidney	MEM (E) with NEAA +FCS
SIRC		Cornea	MEM (E) with NEAA +FCS
	Isolation of Rubella virus		

Rat <i>Rattus norvegicus</i>			
6-23(Clone 6)	Horse serum	Thyroid ,Medulla, Brain	DMEM+FCS
AR42J		Pancreas	Ham's F12K +FCS
BRL 3A		Liver	MEM (E) +FCS
C6 Glial Cell		Glial tissue	Ham's F12K + FCS
Cells produce S-100 protein which is specific to brain tissue			
H9c2(2-1)		Heart	DMEM +FCS
IEC-6		Intestine, small	DMEM with high glucose + FCS
L6		Muscle	DMEM +FCS
LC-540		Testis	MEM (E) with NEAA +FCS
A steroid secreting Leydig cell testicular tumor			
MH1C1		Liver	Ham's F12K + FCS
NBT-II		Bladder tumor	MEM (E) with NEAA +FCS
Cells responsive to insulin, hydrocortisone and dexamethasone			
NRK 49 F		Kidney	DMEM with high glucose + FCS
NRK 52 E		Kidney	DMEM with high glucose + FCS
PC-12		Pheochromocytoma	RPMI 1640 + FCS
RIN-5F		Insulinoma	RPMI 1640 + FCS
Y3.Ag1.2.3		Myeloma	DMEM with high glucose +FCS
UMR106		Bone	DMEM+FCS
<u>Turtle, box</u> <u>Terrapene Carolina</u>			
TH1 subline B1		Heart	M199 (H) + FCS
<u>Viper, Russell's viper</u> <u>Vipera russelli,</u>			
VSW		Spleen	BME (H) + FCS
<u>SK series</u>			

SK-BR-3		Mammary gland/ Breast	Mc Coy's 5A +FCS
SK-HEP-1		Liver/Ascites	Mc Coy's 5A +FCS
SK-Mel-1		Skin	MEM (E) +FCS
SK-Mel-2		Skin	MEM (E) +FCS
SK-Mel-3		Skin	MEM (E) +FCS
SK-Mel-28		Skin	MEM (E) +FCS
SK-N-MC		Brain	MEM+Na Pyr +FCS
SK-N-SH		Brain	MEM+Na Pyr +FCS