



Performed Measurements

These datasets are only partially validated

Cell Lines and Cell types which will be recognized by cell counting & viability algorithm

Cell line	Cell type	Tissue	Organism
ympo	epithelial cells	ovary	fall armyworm
yac-1	lymphoblast	lymphoma	mouse
WBC	blood cells	peripheral blood cells	human
U373	glioblastoma cells	neuronal	human
U2OS	Osteosarcoma	bones	
T-REX™-293	epithelial cells		human
TK6	lymphoblast	spleen	human
THP1	monocytes	peripheral blood cells	human
THLE	epithelial cell	liver	human
SW620	epithelial cells (cancer)	bowel	human
sw480 sw-480	epithelial cells	colon	human
stem cells			human
skbr3	Breast cancer	breast	human
SIM-A9	microglia	brain	mouse
sf21		ovary	fall armyworm
SAOS-2	epithelial cells	bone	human
RS4	Leukemia	blood	human
RO	b-lymphocytes		human
RMS	Rhabdomyosarcoma		human
RBC	blood cells	peripheral blood cells	human
RBC	blood cells	peripheral blood cells	trout
RAW 264.7	macrophages	ascites	mouse
primary astrocytes	glia cells	brain and spinal cord	human
primary	t-lymphocytes (t-cells)	peripheral blood cells	human
PDAC	pancreatic ductal adenocarcinoma	pancreas	
PC3	epithelial cells (cancer)	prostate	human
PC17	Lung carcinoma	lung	human
panc-1	epithelial cells, pancrea carcinoma	pancreas	human
NKT cells	T cells and natural killer cells		human
NIH 3T3	fibroblasts		mouse
NEK 53	epithelial cells	bone marrow	
NCM640	Epitelial	Colon	human
MZPC1	Pancreatic cancer	pancrea	human

MUTZ 3		skin	human
MTH53A	epithelial cells	breast epithelium	rabbit
MSC	mesenchymal stemcells	bone marrow	human
MCF7	cancer cells	breast	human
MC3T3	osteoblast	bone marrow	mouse
MB49	cancer cell line	bladder	mouse
MB49	Urothelial Carcinoma	bladder	mouse
LAPC4	cancer cell line	prostate	human
lapc4	prostate cancer cells	prostate	human
L929	fibroblasts		mouse
Keratinocyten	epidermal cells	Gingiva	human
K-562	myeloid leukemia		human
Jurkat	t-lymphocytes (t-cells)	peripheral blood cells	human
HUVEC	endothelial cells	umbilical vein/vascular endothelium	human
HUH7	hepatoma cells	liver	human
hTERT-MSC	mesenchymal stemcells	bone marrow	human
HTC-116	Epithelial-like	colon	human
HT29	colon cancer	colon	human
HT1080	epithelial cells	fibrosarcoma	human
Ht1080	Fibrosarkom		human
HS60	cancer cells	lung	human
HoxP8			
HOB	osteoblast	bone marrow	human
HN33 murine cell	hippocampal neuron x neuroblastoma	brain	murine
HL-60	acute myeloid leukemia	peripheral blood cells	human
HL1	Cardiomyocyte	cardiac muscle	mouse
HK2	epithelial cells	kidney	human
hepG2	liver cancer	liver	human
HeLa	epithelial cells	cervical cancer	human
HEK transfected	epithelial cells	embryonic kidney	human
HEK 293T	epithelial cells	embryonic kidney	human
HCT	primary colorectal carcinoma	colon	human
HCC	Hepatocellular carcinoma cells	liver	human
hbmec	epithelial cells	brain	human
glioblastoma cells	cancer cells	brain	human
FM3	Melanoma		human

FL1	bladder carcinoma	bladder	human
FKD-R	epithelial cells	small intestine	human
FB	fibroblasts	skin	rabbit
fadu	epithelial, Squamous Cell Carcinoma	Pharynx	human
DU145	epithelial cells (cancer)	prostate	human
du145	prostate cancer cells	prostata	
Dictyostelium discoideum			amoeba
D17	Osteosarcoma	bone	
CMT-13	cells of the mammary gland	breast cancer	rabbit
CHO (chinese hamster ovary)	epithelial cells	ovary	hamster
CAR-NK	killer cells		
Capana-2	cancer cell	pancreas	human
Calu-3	epithelial cells	lung cells	human
Caco-2	epithelial adenocarcinoma cells from a human	lg	human
Caco-2	epithelial cells	colon	human
C2C12	myoblast	muscle	murine
C2	mast cells	cytoma stream	rabbit
BCi	Basal cells Immortalized	Airway	human
Baf3	pro b cells	lymphocyte	murine
Astrocytes	astroglia	brain	murine
AML12	hepatocytes	liver	human
A549	epithelial cells	lung cells	human
A-375	melanoma cells	skin	human
A357	melanoma cells	skin	human
184B5	breast cancer	breast	human
16hbe	epithelial cells	bronchial	pri
	cancer cells	neuroblastom	human
	Dendritic cells		
	embryonic stem cells		human
	embryonic stem cells		mouse
	hepatocyte tumor cells	liver	human
	iPS cells		human
	marmacarcinoma cells	breast cancer	

Cell Lines and Cell types which will only be recognized by cell counting algorithm

cells	cell type	tissue	organism
<i>Aspergillus fumigatus</i>	spore		fungus
<i>Candida albicans</i>			yeast
<i>Candida auris</i>			yeast
<i>isochrysis galbana</i>	microalgae		microalgae
<i>Isocrisys galbana</i>	microalgae		microalgae
<i>Phaeodactylum tricornuta</i>	microalgae		microalgae
<i>Saccharomyces cerevisiae</i>	yeast		Yeast
Schneider S2 cells	insect		drosophila melanogaster
<i>Tetratelmis schuii</i>	microalgae		microalgae
<i>Yarrowia lipolytica</i>			yeast
	micro spore		Beta vulgaris (Zuckerrübe)
	microalgae		calciodinellum operosum
	microalgae		cyclotella cryptica
	microalgae		ditylum brightwellii
	microalgae		leonella graniferan
	microalgae		scrippsiella trochoidea
	microalgae		stephanopyxis turris
	microalgae		symbiodinium voratum
	microalgae		thalassiosira pseudonana
	microalgae		desmo desmo
	microalgae		phytoplankton
	microalgae		haematococcus pluvialis
	microalgae		phaedaktylum
	microalgae		chlorela vulgaris
	microalgae		raphidocelis subcapitata
	microalgae		cosarium formasulum
	microalgae		micrasterias
	microalgae		nanochloropsis
	microalgae		cryptophyta

	microspores		hordeum vulgare (Gerste)
	microspores		zea mays (Mais)
			synura petersenii
			oily yeast
			paramecium
	Saccharomyces bayanus		yeast
CTL	cytotoxic t lymphocyte	bone marrow	human
Granulosa cells	Follicular cels	ovary	Goat
halichondria panicea			sponge
hybridoma cells	fusion of b- and cancer cells		mouse
PBMCs	blood cells	peripheral blood cells	human
PBMCs thawed	blood cells	peripheral blood cells	human
Splenocytes	WBC	Spleen	mouse
	lung cells	lung	mouse
	spore		aspergillus oryzae
	spore		aspergillus niger
	spore		aspergillus brasiliensis
	spore		aspergillus versicolor