

Cell lines used with HoloMonitor® M4

Most adherent cells can be studied using HoloMonitor M4. Monolayer of adherent eukaryotic cells are cultured in any of the recommended cell culture vessels, please refer to the HoloMonitor M4 Setup and Operation Manual for details. Each of the cell lines listed in the table below have been successfully tested.

Cell line	Description
3T3-U	Human embryonic fibroblasts
A2058	Human melanoma
A375	Human melanoma
A549	Human lung carcinoma
AsPC-1	Human pancreas
B16-F10	Mouse melanocytes
BN7005-H1D1	Rat adenocarcinoma
BV-2	Mouse microglia
BxPc3	Human epithelial pancreas
C6/36 cells	Larvae
CaCo-2	Human epithelial colon
CHL-1	Human melanoma
CHO-K1	Hamster epithelial-like
DLD1	Human colon cancer
DU-145	Human prostate cancer
GBM1	Human glioma
GBM2	Human glioma
H1975	Lung adenocarcinoma
HaCaT-cells	Human keratinocytes
hBM-MSCs	Human bone marrow-derived mesenchymal stem cells
hCMEC/D3	Human brain endothelial cells
HDFa	Human epidermal fibroblasts
HEK 293	Human embryonic kidney
HEKa	Human epidermal keratinocytes
HeLa	Human cervical cancer
HEP3B	Human hepatoma
HEPG2 H	Human hepatoma
HL-60	Human acute myeloid leukemia
HT168-M1	Human melanoma
HT199	Human melanoma
HT1080	Human fibrosarcoma
HT-22	Murine hippocampal neuronal
HT-29	Human colonic carcinoma
Huh-7	Human liver
Huvec	Human endothelial umbilical vein
INS-1	Rat insulinoma cell clone
J774A.1	Murine macrophage
J774.2	Human macrophage
JIMT-1	Human breast cancer

Cell line	Description
KHOS	Human osteosarcoma
L929	Mouse fibroblasts
L56Br-C1	Human breast cancer lymph node metastasis
LNCaP	Human prostate carcinoma
LUHMES	Human neuronal
MC3T3-E1	Mouse osteoblastic
MCF-10 A	Human breast epithelia
MCF-7	Human breast cancer
MDA-MB-231	Human mammary carcinoma
Mia Paca-2	Human epithelial pancreas
MoDC	monocyte-derived dendritic cells
MRC-5	Human embryo lung fibroblasts
MSC-AT	Mesenchymal stem cells derived from adipose tissue
MSC-BM	Mesenchymal stem cells derived from bone marrow
N2a	Murine neuroblastoma
NE-4C	Mouse embryonic neuroectodermal
NIH3T3	NIH3T3:Mouse embryonic fibroblasts
PanC-1	Human epithelial pancreas cells
PC-3	Human prostate cancer cells
Primary 4T1 tumor	Mouse mammary cancer cells
SHSY-5Y	Human neuroblastoma
SKOV 3 TR cells	Ovarian cancer cell line
SKOV3	Human ovarian cancer line
TE1	Human squamous cell carcinoma of the esophagus
Tg-3m	Primary mouse lung adenocarcinoma
Tg-6m	Primary mouse lung adenocarcinoma
Tr146	Human buccal epithelial
U-2 OS	Human epithelial
U-251 MG	Human glioma
U205	Human osteosarcoma
U2932	B-cell lymphoma (human diffuse large B-cell lymphoma)
U373	Human glioma
U87 MG	Human glioma
V2A10	Rat glioma
Vero	Green monkey kidney epithelial cells (non-cancerous cells)
WiT-49	Derived from a primary lung metastasis of an aggressive Wilms kidney tumor
WM-266-4	Human melanoma

Other cell types

Drosophila S2 cells, human blood primary macrophages, human primary buccal cells, human blood, primary monocytes, human blood primary neutrophils, human sperm cells.