SERANAS`s FBS: Report of Application for Different Cell Lines

To whom it may concern:

The application of Serana`s Foetal Bovine Serum (FBS) products in cell culture of more than a hundred different cell lines has been reported in several hundreds of publications in prestigious peer-reviewed journals. The used cell lines include human origin, animal origin, and different microorganisms. Please see the next pages as a sample of 50 recent papers (published in **2025** and **2026**) and the used cell lines. Please do not hesitate to contact us if you may have questions regarding the usage of our products for any specific cell line.

Sincerely yours

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Dr. Iman Kamranfar
Head of Quality
Serana Europe GmbH
Date: 17/04/2026

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Used Cell lines:	**Madin-Darby Bovine Kidney Cells (MDBK cells)**
Reference:	Malenovská H. Enhancing Alcelaphine gammaherpesvirus 1 propagation in the MDBK cell line: role of ruxolitinib and reduced incubation temperature. *Vet Res Commun.* **2026**;50:248. doi:10.1007/s11259-026-11192-6
Link	https://link.springer.com/article/10.1007/s11259-026-11192-6

Used Cell lines:	**human NSCLC A-549 & H-1975 cells: two distinct two humans non -small lung cancer (NSCLC) cell lines**
Reference:	Özgür E, Çırçır A, Doğan BŞ, Şahin Ş, Karayalçın G, Demir MA, Erkek B, Demirtaş E, Zorlu Ö, Ceylan F, et al. Evaluation of the Cellsway microfluidic CTC enrichment and identification platform for CTC detection in metastatic NSCLC. *Biosensors.* **2026**;16(1):34. doi:10.3390/bios16010034.
Link	https://www.mdpi.com/2079-6374/16/1/34

Used Cell lines:	**C33A (YDT-0108), Caski (YDT-7048), and SiHa (YDT-0595) cervical cancer cell lines**
Reference:	Shen T, Ma Y, Wu T, et al. Human papillomavirus 16 E7 enhances cell stemness by regulating the APC2/SPIN4/β-catenin axis in cervical cancer. *Oncogenesis.* **2026**;15:10. doi:10.1038/s41389-026-00602-8.
Link	https://www.nature.com/articles/s41389-026-00602-8

Used Cell lines:	**human breast cancer cell lines (luminal A) MCF-7 and T-47D**
Reference:	Li C, Li X, Biemans R, Zhang M, Dubois LJ. MonoHER selectively enhances the radiotherapy response in p53 wild-type breast cancer via stabilization of p53. *Clin Transl Radiat Oncol.* **2026**;58:101147. doi:10.1016/j.ctro.2026.101147.
Link	https://www.sciencedirect.com/science/article/pii/S240563082600042X

Used Cell lines:	**CC cell lines SiHa and Caski**
Reference:	Cao Z, Yang S, Zou J, et al. CSN5 overexpression promotes the integral progression of cervical cancer by enhancing ENO3-mediated glycolysis. *Apoptosis.* **2026**;31:41. doi:10.1007/s10495-025-02246-2.
Link	https://link.springer.com/article/10.1007/s10495-025-02246-2

Used Cell lines:	**human trophoblast cell line Swan 71 & isolated primary cells from human decidua**
Reference:	Qi T, Tang J, Wang D, Zhang A, Mo H, Ren M, Chen C, Guo Y, Cao W, Cao C, Chen H. *Am J Physiol Endocrinol Metab.* **2026**;330(1):E1–E14. doi:10.1152/ajpendo.00515.20.
Link	https://journals.physiology.org/doi/full/10.1152/ajpendo.00515.2024#sec-2-4

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Used Cell lines:	**Human Microglia Clone 3 cell line (HMC3 cells, #CRL-3304, RRID: CVCL_II76) and Neuro-2a cell line (N2a cells, #CCL-131, RRID: CVCL_0470)**
Reference:	Qian Y, Yu H, Dong J, Liu J, Han J, Zheng T, Zhang W, Wang L, Huang Z, Wang Y. Microglial TIA1-mediated stress granules promote neuroinflammation and aggravate neuron loss in mice after ischemic stroke by inhibiting IGF2 signaling. *Theranostics.* **2026**;16(5):2627-2648. doi:10.7150/thno.122008
Link	https://pmc.ncbi.nlm.nih.gov/articles/PMC12713190/#sec2

Used Cell lines:	**Human Bone Marrow Stromal Cells (BMSCs)**
Reference:	Ren C, Chen M, Ren B, Zeng Y, Tan Q, Li Q, Zhang X, Fang Y, Zhou Y, Zhang W, Chen F, Bian B, Liu Y. Mesenchymal stem cell–derived small extracellular vesicles enhance the therapeutic effect of retinal progenitor cells in retinal degenerative disease rats. *Neural Regen Res.* **2026**;21(2):821-832. doi:10.4103/NRR.NRR-D-23-02108
Link	https://journals.lww.com/nrronline/fulltext/2026/02000/mesenchymal_stem_cell_derived_small_extracellular.50.aspx

Used Cell lines:	**EBV-transformed lymphoblastic cell lines (LCLs) & K562, a human erythroid myeloid cell line**
Reference:	Quach A, King J, Putty T, et al. Characterisation of a leaky splice-site mutation associated with phenotypic diversity in two unrelated patients with ARPC1B deficiency. *J Clin Immunol.* **2026**;46:33. doi:10.1007/s10875-026-02002-4
Link	https://link.springer.com/article/10.1007/s10875-026-02002-4

Used Cell lines:	**WM9 and WM852 melanoma cells**
Reference:	Kłos, P.; Safranow, K.; Perużyńska, M.; Birger, R.; Stępniewska, A.; Dziedziejko, V.; Droździk, M.; Chlubek, D. The Combination of Thymoquinone and Chloroquine Dose-Dependently Regulates Autophagy and Potentiates Metastatic Melanoma Cell Death via Autophagy-Dependent and -Independent Mechanisms. *Int. J. Mol. Sci.* **2026**, *27*, 1751. https://doi.org/10.3390/ijms27041751
Link	https://www.mdpi.com/1422-0067/27/4/1751

Used Cell lines:	**human BCa cell lines T24 and 5637**
Reference:	Zhang H, Han S, Su Z, et al. Single-cell transcriptomic analysis and machine learning identify ATAD3A as a key gene that stabilizes mitochondrial-endoplasmic reticulum membranes, promoting bladder cancer progression. *J Transl Med.* **2026**;24:427. doi:10.1186/s12967-026-07857-0
Link	https://link.springer.com/article/10.1186/s12967-026-07857-0

Used Cell lines:	**Human Embryonic Kidney (HEK) 293 T cells**
Reference:	Hu T, Wang W, Zhao X, Cui P, Zhang H, Fan Z, Wang D, Hu X, Huang H, Chen X, Rong Y, Lu S. TRIM59 alleviates neuronal ferroptosis and promotes functional recovery after spinal cord injury by mediating ubiquitination and degradation of ANXA2. *J Orthop Transl.* **2026**;57:101070. doi:10.1016/j.jot.2026.101070

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Link	https://www.sciencedirect.com/science/article/pii/S2214031X26000252
Used Cell lines:	**THP-1 cells (a human monocytic cell line)**
Reference:	Brouwer HFM, Mansoor AK, Dekker S, et al. Macrophage paracrine signalling differentially affects fibroblast-induced collagenous tissue remodelling. *Tissue Eng Regen Med.* **2026**;23:125-142. doi:10.1007/s13770-025-00766-1
Link	https://link.springer.com/article/10.1007/s13770-025-00766-1

Used Cell lines:	**$CD8^+$ T (cytotoxic T lymphocytes) cells**
Reference:	Kobayashi T, Seo W, Ichimura N, Urata Y, Hibi H, Nishikawa H. Reticulocalbin1-mediated regulation of calcium homeostasis in naïve T lymphocytes. *Cell Calcium.* **2026**;134:103121. doi:10.1016/j.ceca.2026.103121
Link	https://www.sciencedirect.com/science/article/pii/S014341602600014X

Used Cell lines:	**Human cervical adenocarcinoma cells (HeLa, BRC RCB3680) and mouse fibroblast cell lines (L929, ATCC CCL-1)**
Reference:	Wang X, Imai Y, Kimura Y, Miura R, Imai H, Kondo T. Biocompatible gadolinium oxide nanoparticles incorporated doxorubicin enables magnetic resonance and photoacoustic dual imaging for cancer theranostics. *Nanomaterials.* **2026**;16:343. doi:10.3390/nano16060343
Link	https://www.mdpi.com/2079-4991/16/6/343

Used Cell lines:	**human hepatoma cell line Huh7 and its derivative HuhT7 cells**
Reference:	Kanda T, Sasaki-Tanaka R, Abe H, Yokoo T, Sakamaki A, Hayashi K, Kamimura H, Kamimura K, Masuzaki R, Kogure H, et al. Azathioprine inhibits hepatitis A virus replication in vitro. *Pathogens.* **2026**;15:249. doi:10.3390/pathogens150302497
Link	https://www.mdpi.com/2076-0817/15/3/249

Used Cell lines:	**Human Colorectal Cancer (CRC) cell lines HCT116, LS174T, HCT15, HCT8, DLD1, RKO, and Caco2**
Reference:	Wei J, Zhang C, Tian J, Xu Y, Qi J, Zhang M, Liu H, He S, Wang X, Yu S, Yao S, Ni W. SYT8 drives colorectal cancer progression and immune evasion via the SETD1A-H3K4me3 axis. *Am J Pathol.* **2026**. doi:10.1016/j.ajpath.2026.03.006
Link	https://www.sciencedirect.com/science/article/pii/S0002944026000702

Used Cell lines:	**HeLa-FRT-TO cells (an engineered human cervical cancer cell line)**
Reference:	Choi SY, Park H, Kim SS, Kim H, Park S, Lee H. Linking kinetochore attachment to checkpoint control: the role of Aurora B in BubR1 acetylation. *Nucleic Acids Res.* **2026**;54(2):gkaf1517. doi:10.1093/nar/gkaf1517
Link	https://academic.oup.com/nar/article/54/2/gkaf1517/8425333?login=false&guestAccessKey=

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Used Cell lines:	**HepG2 reporter cell line & A9 cells**
Reference:	Miyata R, Suzuki M, Okazaki Y, Iwai K, Nishiwaki N, Nakajima Y. Takeda G protein-coupled receptor 5 and peroxisome proliferator-activated receptor-gamma activation by pinocembrin and pinostrobin isolated from *Lindera sericea*. *Int J Mol Sci.* **2026**;27:2045. doi:10.3390/ijms27042045
Link	https://www.mdpi.com/1422-0067/27/4/2045

Used Cell lines:	**RAW264.7 (murine macrophage cell line)**
Reference:	Rahman A, Sawano T, Kitada K, Jahan N, Fujisawa Y, Yamakawa K, et al. Cardioprotective effects of finerenone associated with the suppression of myocardial sodium accumulation in aldosterone/salt-loaded rats. *J Am Heart Assoc.* **2026**;15(6):e044798. doi:10.1161/JAHA.125.044798
Link	https://www.ahajournals.org/doi/full/10.1161/JAHA.125.044798

Used Cell lines:	**WM9 malignant melanoma cell line**
Reference:	Kłos P, Dabravolski S, Perużyńska M, et al. Synergistic inhibition of metastatic melanoma by carvacrol and chloroquine: an in vitro and in silico investigation of apoptosis and molecular targets. *Med Oncol.* **2026**;43:113. doi:10.1007/s12032-025-03213-2
Link	https://link.springer.com/article/10.1007/s12032-025-03213-2

Used Cell lines:	**human CLL (Chronic Lymphocytic Leukemia) cell lines: MEC-1, MEC-2, CI, HG-3, PGA-1, and WA-OSEL**
Reference:	Kľoc D, Dubiková B, Žiláková S, Sykora J, Šuliková M, Kurhajec S, Sabo J, Guman T, Šarišský M. The anti-SLAMF7 antibody, elotuzumab, induces antibody-dependent cellular cytotoxicity against CLL cell lines. *Molecules.* **2026**;31:531. doi:10.3390/molecules31030531
Link	https://www.mdpi.com/1420-3049/31/3/531

Used Cell lines:	**Hepatocellular carcinoma (HCC) cell lines Hep3B (YDT-0004), Huh7 (YDT-0003), SK-Hep-1 (YDT-0599), HepG2 (YDT-0235), and MHCC97-H (YDT-0715), along with 293 T cells (YDT-0019)**
Reference:	Xie J, Pan X, Xia Y. PDP1 drives hepatocellular carcinoma progression by regulating senescence through the cAMP/Ca2+ signaling pathway. *Biochem Pharmacol.* **2026**;247:117772. doi:10.1016/j.bcp.2026.117772
Link	https://www.sciencedirect.com/science/article/pii/S0006295226001036

Used Cell lines:	**Glioblastoma sphere cultures (GSCs), GBM8 cells & BS153 cells**
Reference:	Pruteanu LL, Béquignon OJM, Broersma Y, Bender A, Ibrahim SM, Bailey DS, Westerman BA. The glioblastoma GBMdrug1000 dataset resource provides directions for future small molecule drug discovery. *Neurooncol Adv.* **2026**;8(1):vdag030. doi:10.1093/noajnl/vdag030
Link	https://academic.oup.com/noa/article/8/1/vdag030/8483040?login=false&guestAccessKey=

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Used Cell lines:	**Primary granulosa cells & KGN cells**
Reference:	Ying Y, Chen X, Yao S, et al. Circadian rhythm disruption impairs ovarian follicular development via NAD+ metabolic reprogramming. *eBioMedicine.* **2026**;126:106200. doi:10.1016/j.ebiom.2026.106200
Link	https://www.thelancet.com/journals/ebiom/article/PIIS2352-3964(26)00082-4/fulltext

Used Cell lines:	**sarcoma cell lines SW872 (Liposarcoma) & SW982 (Synovial Sarcoma)**
Reference:	Jahn S, Krajina K, Smolle MA, Neufeldt D, Jonas K, Rinner B, Mellert K, Noeparast M, Trepel M, Szkandera J, Pichler M, Liegl-Azwanger B. Clinical significance and therapeutic potential of long non-coding RNA H19 in soft tissue sarcoma. *Cancer Med.* **2026**;15:e71305. doi:10.1002/cam4.71305
Link	https://onlinelibrary.wiley.com/doi/full/10.1002/cam4.71305

Used Cell lines:	**A549 cells (ATCC), CRISPR-engineered U2OS clones, HP-1 cells, monocyte-derived macrophages (MDM) & Madin-Darby Canine Kidney (MDCK) cells**
Reference:	Desgraupes S, Decorsière A, Perrin S, et al. The genetic driver of acute necrotizing encephalopathy, RANBP2, regulates the inflammatory response to influenza A virus infection. *Nat Commun.* **2026**;17:2427. doi:10.1038/s41467-026-69288-1
Link	https://www.nature.com/articles/s41467-026-69288-1

Used Cell lines:	**A375 cell line & JY cells**
Reference:	Bathini M, Bocaniciu D, Johnson FD, et al. MHC1-TIP enables single-tube multimodal immunopeptidome profiling and uncovers intratumoral heterogeneity in antigen presentation. *Commun Biol.* **2026**;9:296. doi:10.1038/s42003-026-09570-6
Link	https://www.nature.com/articles/s42003-026-09570-6

Used Cell lines:	**Human tumor cell lines Ishikawa (YDT-0302), 293 T (YDT-0018), HEC-1-A (YDT-0225), and HEC-1-B (YDT-0226), and human endometrial stromal cells HESCs (YDT-0770)**
Reference:	Yang S, Wu T, Cao Z, et al. Hypoxic glycolysis-driven histone lactylation activates NHE7 to promote endometrial cancer progression via COX6C-mediated endoplasmic reticulum stress. *Apoptosis.* **2026**;31:55. doi:10.1007/s10495-026-02262-w
Link	https://link.springer.com/article/10.1007/s10495-026-02262-w

Used Cell lines:	**murine hepatoma-22 (H22) cells**
Reference:	Chen Q, Shan Y, Yin G, et al. Porous Ca-HB-HA nanocomposites synergize with hyperbaric oxygen to boost targeted photodynamic therapy for hepatocellular carcinoma. *Cancer Nano.* **2026**;17:5. doi:10.1186/s12645-025-00354-x
Link	https://link.springer.com/article/10.1186/s12645-025-00354-x

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Used Cell lines:	**B16F10 melanoma cell line (RRID: CVCL_0159), BALB/c macrophage cell line RAW264.7 (RRID: CVCL_0493), K562 lymphoblast cell line (RRID: CVCL_0004) & HEK293T cells (RRID: CVCL_0063)**
Reference:	Schaap G, Ghaffari S, Middelburg J, Sluijter M, Griffioen L, Schoufour TAW, Wijdeven RHM, Neefjes J, Arens R, Weidanz J, van Hall T. The murine MHC-E molecule Qa-1b is surface displayed in a peptide-free conformation in homeostasis. *Front Immunol.* **2026**;17:1743362. doi:10.3389/fimmu.2026.1743362
Link	https://pmc.ncbi.nlm.nih.gov/articles/PMC13006831/

Used Cell lines:	**THP-1 monocyte cell line**
Reference:	Savchak OK, Verbroekken RMC, Gumuscu B, Schenning APHJ. Light-responsive surface topographies modulate macrophage immune responses through dynamic mechanical cues. *Macromol Biosci.* **2026**;26(3):e00657. doi:10.1002/mabi.202500657
Link	https://onlinelibrary.wiley.com/doi/full/10.1002/mabi.202500657

Used Cell lines:	**HEC-1-A (YDT-0225), Ishikawa (YDT-0302), HEK-293T (YDT-0019), and THP-1 (YDT-0666) cell lines**
Reference:	Yang S, Ma Y, Wu T, et al. Lactate transmission from hypoxic tumor cells promotes macrophage senescence and M2 polarization via the DNMT1-NHE7 axis to accelerate endometrial cancer progression. *Cell Death Dis.* **2026**;17:185. doi:10.1038/s41419-026-08411-y
Link	https://www.nature.com/articles/s41419-026-08411-y

Used Cell lines:	**Human Dermal Fibroblasts (HDFs) & human umbilical vein endothelial cells (HUVECs) & Primary human fetal mesenchymal stem cells (HFMSCs)**
Reference:	Cui H, Fu LQ, Teng Y, He JJ, Shen YY, Bian Q, Wang TZ, Wang MX, Pang XW, Lin ZW, et al. Human hair follicle mesenchymal stem cell-derived exosomes attenuate UVB-induced photoaging via the miR-125b-5p/TGF-β1/Smad axis. *Biomater Res.* **2025**;29:0121. doi:10.34133/bmr.0121
Link	https://spj.science.org/doi/full/10.34133/bmr.0121

Used Cell lines:	**Peripheral blood mononuclear cells (PBMCs)**
Reference:	Kunc M, Whitehead BJ, Østergaard LJ, et al. Signatures of trained immunity following mRNA vaccination: differences between mRNA-1273 and BNT162b2. *J Clin Immunol.* **2026**;46:8. doi:10.1007/s10875-025-01977-w
Link	https://link.springer.com/article/10.1007/s10875-025-01977-w

Used Cell lines:	**Human gastric cancer (GC) cell lines (HGC-27 and SGC-7901)**
Reference:	Wang X, Cao X, Zhou B, Mei J, Li Y, Zhao X, Zhu W, Huang F, Sun L, Wang M. FGFR3 signaling is essential for gastric cancer cell triggering the transition of BM-MSCs into tumor-associated MSCs. *Differentiation.* **2025**;143:100859. doi:10.1016/j.diff.2025.100859
Link	https://www.sciencedirect.com/science/article/abs/pii/S030146812500026X

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Used Cell lines:	**Caski (YDT-0115) and SiHa (YDT-0595) cells**
Reference:	Dong X, Chen X, Xue M, Zhang Y, Jiang P. EFNA1 promotes the tumorigenesis and metastasis of cervical cancer by phosphorylation pathway and epithelial-mesenchymal transition. *Acta Histochem.* **2025**;127(2):152236. doi:10.1016/j.acthis.2025.152236
Link	https://www.sciencedirect.com/science/article/pii/S006512812500008X

Used Cell lines:	**U2OS cells (a human osteosarcoma cell line)**
Reference:	Abdelmonem BH, Essa HL, Arafeh R, et al. Bioactive compounds and therapeutic potential of *Salvia fruticosa* Mill. leaves against microorganisms and osteosarcoma. *Sci Rep.* **2025**;15:37015. doi:10.1038/s41598-025-15727-w
Link	https://www.nature.com/articles/s41598-025-15727-w

Used Cell lines:	**rhesus monkey choroid-retina endothelial (RF/6 A) cells**
Reference:	Wang B, Li W, Hong C, Jin F, Xu B, Guo Z, Chen S, Zhang Q. Amyloid β (Aβ) inhibits retinal angiogenesis in Alzheimer's disease via LncRNA-XIST/miRNA-126-5p/VEGF axis. *Immunobiology.* **2025**;230(4):153097. doi:10.1016/j.imbio.2025.153097
Link	https://www.sciencedirect.com/science/article/pii/S0171298525002311

Used Cell lines:	**Mouse microglial MG6 cells**
Reference:	Zheng H, Mizokami A, Romera-Giner S, et al. Sex differences in the neuroinflammatory signaling pathway: effect of miRNAs on fatty acid synthesis in microglia. *Biol Sex Differ.* **2025**;16:9. doi:10.1186/s13293-025-00686-8
Link	https://link.springer.com/article/10.1186/s13293-025-00686-8

Used Cell lines:	**Liver fibroblasts (LF) and Liver Mesenchymal Stem Cells (LMSC) cultures**
Reference:	Wisman M, Kruk DMLW, Kooistra W, Heijink IH, Woldhuis RR. Lower levels of senescence in human lung mesenchymal stromal cells compared with lung fibroblasts: implications for tissue regeneration in COPD. *Am J Physiol Lung Cell Mol Physiol.* **2025**;328(6):L858-L865.
Link	https://journals.physiology.org/doi/full/10.1152/ajplung.00366.2024

Used Cell lines:	**THP1-XBlue™-MD2-CD14 human monocyte reporter cell line**
Reference:	Borges-Silva I, Mantovani MDC, Luu MDA, Gorter A, Borghuis T, Gasaly N, Sogayar MC, de Vos P, Trombetta-Lima M. Differential stress responses of immunoisolated human islets embedded in pancreatic extracellular matrix under static and free-fall dynamic conditions. *J Tissue Eng.* **2025**;16:1-21. doi:10.1177/20417314251383295
Link	https://journals.sagepub.com/doi/full/10.1177/20417314251383295

Used Cell lines:	**Dental pulp cells**
Reference:	Miyasaka N, Torii D, Satomi T, Sakurai K, Nakahara T, Tsutsui TW. Aspirin promotes odontogenic differentiation via a mechanism involving FOXC1, RUNX2, and MCAM expression. *J Oral Biosci.* **2025**;67(1):100622. doi:10.1016/j.job.2025.100622
Link	https://www.sciencedirect.com/science/article/pii/S1349007925000118

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Used Cell lines:	**Nb324K cells**
Reference:	Hongo-Hirasaki T, Fukutomi H. Performance features of virus removal filters with novel regenerated cellulose hollow fiber membranes. *iScience.* **2025**;28:111701. doi:10.1016/j.isci.2024.111701
Link	https://www.cell.com/iscience/fulltext/S2589-0042(24)02928-6

Used Cell lines:	**Human thyroid epithelial cells (Nthy-ori 3 – 1), papillary thyroid carcinoma (PTC) cell lines (TPC-1 and IHH4), and anaplastic thyroid carcinoma (ATC) cell lines (8505 C, KHM-5 M, Hth-7, C643, CAL-62, and BHT101)**
Reference:	Guo Y, Liang J, Ding L, et al. The endoplasmic reticulum stress–ferroptosis reciprocal signaling orchestrates anti-tumor effect of anlotinib in anaplastic thyroid cancer. *Cancer Cell Int.* **2025**;25:310. doi:10.1186/s12935-025-03947-z
Link	https://link.springer.com/article/10.1186/s12935-025-03947-z

Used Cell lines:	**C6 glioma cell line, HT22 cell line & U251 cell line**
Reference:	Xue X, He Z, Liu F, et al. Taurochenodeoxycholic acid suppresses the progression of glioblastoma via HMGCS1/HMGCR/GPX4 signaling pathway in vitro and in vivo. *Cancer Cell Int.* **2025**;25:160. doi:10.1186/s12935-025-03782-2
Link	https://link.springer.com/article/10.1186/s12935-025-03782-2

Used Cell lines:	**THP-1 cells & H9C2 cells**
Reference:	Chen M, Xu J, Chen Z, Liang Z, Peng C, Chen D, Xie S. 8:2 fluorotelomer alcohol exacerbates doxorubicin-induced cardiotoxicity and chemoresistance via aryl hydrocarbon receptor. *Ecotoxicol Environ Saf.* **2025**;303:118766. doi:10.1016/j.ecoenv.2025.118766
Link	https://www.sciencedirect.com/science/article/pii/S014765132501111X

Used Cell lines:	**HOS (YDT-0265), MG-63 (YDT-0400), THP-1 (YDT-0666), K7M2 (YDT-0317), and 293T (YDT-0019) cell lines**
Reference:	Xing C, Hu W, Zhao L. Osteopontin derived from hypoxia-induced M2 macrophages promotes osteosarcoma progression through modulation of EGR3/ISG15 signaling and RIG-I expression. *J Transl Med.* **2025**;23:950. doi:10.1186/s12967-025-06936-y
Link	https://link.springer.com/article/10.1186/s12967-025-06936-y

Used Cell lines:	**Human TNBC MDA-MB-231 (HTB-26) & T-47D (HTB-133) breast cancer cells**
Reference:	Parviainen E, Nurmenniemi S, Ravaioli S, et al. Human papillomavirus E6 alters Toll-like receptor 9 transcripts and chemotherapy responses in breast cancer cells in vitro. *Mol Biol Rep.* **2025**;52:43. doi:10.1007/s11033-024-10143-1
Link	https://link.springer.com/article/10.1007/s11033-024-10143-1

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Used Cell lines:	**Cell lines 4 T1 & MC3T3-E1**
Reference:	Liang Y, Lan H, Li Q, Gao M, Liu M, Xu Z, Gao Y, Zhang L, Li Y, Zhao B. Exploiting metabolic vulnerabilities through synergistic ferroptosis and disulfidptosis for breast cancer therapy. *J Adv Res.* **2026**;79:905-916. doi:10.1016/j.jare.2025.03.052
Link	https://www.sciencedirect.com/science/article/pii/S2090123225002127