



ARC - Assay Ready Cells

assay.works

acCELLerate distributes a growing list of recombinant target expressing cell lines provided by assay works. The cell lines cover a board range of pharmaceutically relevant transmembrane proteins (GPCR's ion channels transporter) generically used for small molecule compound screening lead identification and selectivity testing. The cells are provided in assay ready format at 10 million cells/vial and can be used instantly after thawing. Recovery buffer and assay medium are provided with the cells.

TRP-CHANNEL CELL LINES (by assay works GmbH Germany)

cell line	application	catn° (pack)	unit
CHO TRPA1	pain itch respiratory diseases	AW210 (5/25)	vials @ 1E7 cells
CHO TRPM8	cancer	AW220 (5/25)	vials @ 1E7 cells
CHO TRPV1	pain	AW230 (5/25)	vials @ 1E7 cells
CHO TRPV3	pain itch	AW240 (5/25)	vials @ 1E7 cells
CHO TRPV4	cough asthma cancer pulmonary edema	AW250 (5/25)	vials @ 1E7 cells

chromotek
new tools for better research

ChromoTek's Chromobodies are fluorescent nanoprobe for real-time and live-cell imaging of intracellular endogenous proteins. A Chromobody® is a small intracellular functional antibody fused to a fluorescent protein. Unlike conventional antibodies Chromobodies non-invasively visualize endogenous cellular structures and processes in live cells without interfering with the target protein function. acCELLerate provides assay ready Chromobody cells for live cell imaging and high content screening. The cells are frozen in aliquots of 10 million cells/vial and come with recovery buffer and assay medium.

CHROMOBODY® TAGGED CELL LINES (by Chromotek GmbH Germany)

cell line	application	catn° (pack)	unit
Lamin Chromobody (HeLa)	apoptosis mitosis & cell cycle	CB280 (5/25)	vials @ 1E7 cells

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Recombinant cell lines expressing human ion channels for cardiac safety testing and other applications have been licensed from B'SYS Switzerland for the preparation of patch ready cells. These cells are ready to use after thawing for automated and manual patch clamp set-ups and do not need to be cultivated before. PRCs are provided in single-use aliquots of cryopreserved cells at 5 million cells/vial and come with suitable amounts of recovery and patch buffer.

PATCH READY ION CHANNEL CELL LINES (by B'SYS Switzerland)

cell line	application	catn° (pack)	unit
CHO Kir2.1 (KCNJ2)	cardiac safety testing CiPA	RE301 (1/5)	vials @ 5E6 cells
CHO K _v 4.3/KChIP2 (KCND3 KCNIP2)	cardiac safety testing CiPA	RE302 (1/5)	vials @ 5E6 cells
CHO K _v LQT1-minK (KCNQ1 KCNE1)	cardiac safety testing CiPA	RE303 (1/5)	vials @ 5E6 cells
CHO hERG-DUO (KCNH2)	cardiac safety testing CiPA	RE304 (1/5)	vials @ 5E6 cells
CHO Na _v 1.5-DUO (SCN5A)	cardiac safety testing CiPA	RE305 (1/5)	vials @ 5E6 cells
HEK Na _v 1.4 (SCN4A)	skeletal muscle excitability	RE307 (1/5)	vials @ 5E6 cells



Human and animal assay ready cells have been developed to release researchers from preparatory cell culture work and to gain flexibility their experiments. The cells are cryopreserved at a highly functional state and can be used instantly like a reagent e.g. for proliferation assay or target engagement testing. Cell line identity and the absence of cross contaminations have been verified by STR analysis and species marker PCR. The cell lines are licenses from CLS Cell Lines Service and provided in assay ready single-use aliquots of 10 million cells. All cells come with recovery buffer and assay medium.

HUMAN CELL LINES (by CLS Cell Lines Service Germany)

cell line	application	catn° (pack)	unit
A-172 glioblastoma (brain)		RE536 (05/25)	vial @ 1E7 cells
A-427 epithelial carcinoma (lung)		RE581 (05/25)	vial @ 1E7 cells
A-431 melanoma (skin)		RE573 (05/25)	vial @ 1E7 cells
A-549 epithelial carcinoma (lung)	viruscide testing	RE582 (05/25)	vial @ 1E7 cells
AsPC-1 adenocarcinoma (pancreas)		RE586 (05/25)	vial @ 1E7 cells
BT-20 mammary carcinoma (breast)		RE541 (05/25)	vial @ 1E7 cells
BT-474 mammary carcinoma (breast)	EGFR2 (Her-2) growth inhibition	RE542 (05/25)	vial @ 1E7 cells
Caco-2 carcinoma (colon)	drug absorption bacterial adhesion	RE565 (05/25)	vial @ 1E7 cells
Calu-1 epithelial carcinoma (lung)	drug absorption	RE583 (05/25)	vial @ 1E7 cells
CCRF-CEM leukemia (blood)		RE501 (05/25)	vial @ 1E7 cells
HaCat normal keratinocyte (skin)	cytotoxicity skin irritation	RE570 (5/25)	vials @ 1E7 cells
HEK293 normal embryonic kidney	transfection virus amplification	RE553 (05/25)	vial @ 1E7 cells
HepG2 hepatoma (liver)	hepatotoxicity	RE561 (05/25)	vial @ 1E7 cells
HL-60 promyelocytic leukemia (blood)		RE502 (05/25)	vial @ 1E7 cells
HT-1080 fibrosarcoma		RE596 (05/25)	vial @ 1E7 cells
Huh7 hepatoma (liver)		RE562 (05/25)	vial @ 1E7 cells

HUMAN CELL LINES (by CLS Cell Lines Service Germany)

cell line	application	catn° (pack)	unit
IMR-32 neuroblastoma (brain)		RE534 (05/25)	vial @ 1E7 cells
JEG-3 choriocarcinoma (placenta)		RE590 (05/25)	vial @ 1E7 cells
Jurkat T-cell leukemia (blood)	transfection	RE504 (05/25)	vial @ 1E7 cells
K-562 CML (blood)		RE505 (05/25)	vial @ 1E7 cells
LNCaP adenocarcinoma (prostate)	androgenic activity	RE593 (05/25)	vial @ 1E7 cells
MCF-7 mammary carcinoma (breast)	estrogenic activity	RE544 (05/25)	vial @ 1E7 cells
MG-63 osteosarcoma (bone)		RE522 (05/25)	vial @ 1E7 cells
MOLT-4 ALL (blood)		RE506 (05/25)	vial @ 1E7 cells
NB-4 promyelocytic leukemia (blood)		RE508 (05/25)	vial @ 1E7 cells
Panc-1 adenocarcinoma (pancreas)		RE587 (05/25)	vial @ 1E7 cells
PC-3 adenocarcinoma (prostate)		RE594 (05/25)	vial @ 1E7 cells
RT-4 papilloma (bladder)		RE555 (05/25)	vial @ 1E7 cells
TF-1 erythroleukemia (blood)	EPO potency NGF potency	RE509 (05/25)	vial @ 1E7 cells
THP-1 monocytic leukemia (blood)	h-CLAT pyrogen detection (MAT)	RE510 (05/25)	vial @ 1E7 cells
U-2-OS osteosarcoma (bone)	transfection	RE525 (05/25)	vial @ 1E7 cells
U-937 monocytic leukemia (blood)	U-Sens (skin sensitization)	RE511 (05/25)	vial @ 1E7 cells

ANIMAL CELL LINES (by CLS Cell Lines Service Germany)

cell line	application	catn° (pack)	unit
COS-7 green monkey kidney	transfection	RE754 (05/25)	vial @ 1E7 cells
CV-1 green monkey kidney	virucide testing transfection	RE755 (05/25)	vial @ 1E7 cells
B16 mouse melanoma	melanin production cytotoxicity	RE771 (05/25)	vial @ 1E7 cells
L-929 mouse skin fibroblast	biocompatibility TNF α potency	RE772 (05/25)	vial @ 1E7 cells
V79 hamster lung fibroblast	mutagenicity genotoxicity	RE781 (05/25)	vial @ 1E7 cells
CHO-K1 hamster ovary	transfection	RE782 (05/25)	vial @ 1E7 cells
C2C12 mouse myoblast	myogenic differentiation	RE784 (05/25)	vial @ 1E7 cells
3T3-L1 mouse fibroblast	adipogenic differentiation	RE785 (05/25)	vial @ 1E7 cells
NIH-3T3 mouse fibroblast	cytotoxicity	RE786 (05/25)	vial @ 1E7 cells
CTLL-2 mouse T-cell leukemia	IL-2 potency	RE701 (05/25)	vial @ 1E7 cells
J774A.1 mouse monocytic leukemia	antibody-dependent cellular phagocytosis	RE702 (05/25)	vial @ 1E7 cells
NFS-60 mouse myeloid leukemia	GM-CSF potency	RE703 (05/25)	vial @ 1E7 cells
RBL-1 rat basophil leukemia	transfection	RE704 (05/25)	vial @ 1E7 cells
RAW-264.7 rat macrophage	osteoclast differentiation	RE705 (05/25)	vial @ 1E7 cells
PC-12 rat pheochromocytoma	neural differentiation	RE732 (05/25)	vial @ 1E7 cells
VERO monkey kidney	virucide testing virus amplification	RE750 (05/25)	vial @ 1E7 cells
MDBK bovine kidney	permeability transporter	RE751 (05/25)	vial @ 1E7 cells
MDCK canine kidney	permeability transporter	RE752 (05/25)	vial @ 1E7 cells
H4IIE rat hepatoma	dioxin detection	RE706 (05/25)	vial @ 1E7 cells

Kidney epithelial cells from the proximal part of the tubulus are an essential tool to specifically assess nephrotoxicity in vitro. ciPTEC cells are conditionally immortalized proximal tubular epithelial cells developed by the Radboud University Nijmegen (NL). The activity of two kidney specific organic anion transporters (OAT1 and OAT3) have been reconstituted in the cells by recombinant expression. acCELLerate provides ciPTEC assay ready cells which have been differentiated before cryopreservation. The cells are ready to use in nephrotoxicity testing without prior cultivation or further differentiation. They are provided in single-use aliquots of 5 million cells/vial and come with suitable amounts of recovery buffer and assay medium.

PROXIMAL TUBULAR EPITHELIAL CELLS (by Cell4Pharma, Holland)

cell line	application	catn° (pack)	unit
ciPTEC 14.4 (parental)	nephrotoxicity testing transporter studies	RE421 (1/5)	vials @ 5E6 cells
ciPTEC-OAT1	nephrotoxicity testing transporter studies	RE422 (1/5)	vials @ 5E6 cells
ciPTEC-OAT3	nephrotoxicity testing transporter studies	RE423 (1/5)	vials @ 5E6 cells

Givaudan  **BASF**
We create chemistry

Chemical and cosmetic ingredients have to be tested in vitro for their potential of skin sensitization. One of the mechanisms assessed is the activation of the antioxidant response pathway and Nrf-2 activation in human skin keratinocytes. Two recombinant luciferase reporter cell lines have been developed and validated for this purpose KeratinoSens® by Givaudan and LuSens by BASF (OECD TG 442D). The cell lines are distributed by acCELLerate for cultivation but will be made available in assay ready format very soon.

ARE/Nrf2 LUCIFERASE REPORTER CELLS (by Givaudan, Switzerland and BASF, Germany)

cell line	application	catn° (pack)	unit
KeratinoSens®	skin sensitization	RE242 (1)	vials @ 5E6 cells
LuSens	skin sensitization	RE244 (1)	vials @ 5E6 cells

All information are subject to change.

All products are not to be used in humans or for diagnostic purposes.

Chromobody® is a registered trade mark of Chromotek

KertinoSens® is a registered trademark of Givaudan

KertinoSens® and LuSens include technology which is patented by Promega under U.S. Pat. No. 8008006 and EU Pat. No. 1341808B1. The cells may only be used under the terms of a limited use license.

*ALWAYS READY,
ALWAYS PERFORMING !*

