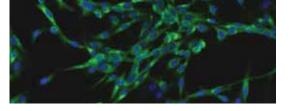
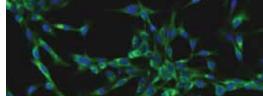
THE ESSENTIALS OF LIFE SCIENCE RESEARCH **GLOBALLY DELIVERED™**







hTERT ATCC° IMMORTALIZED CELL LINES

Enjoy the best of all worlds with human telomerase reverse transcriptase (hTERT) Immortalized Cell Lines from ATCC.

PHYSIOLOGICALLY RELEVANT DATA

hTERT Immortalized Cell Lines more closely mimic the physiology of cells in vivo. hTERT Immortalized Cells are derived from differentiated cells and exhibit tissue-specific features, express differentiationspecific proteins, and form structures that resemble those in vivo.

REDUCED TIME AND EXPENSE

hTERT Immortalized Cell Lines offer extended proliferative capacity in vitro. Unlike primary cells, hTERT Immortalized Cells do not senesce after a few passages reducing the need to repurchase and initiate growth of primary cells.

STABLE GENOTYPES

hTERT Immortalized Cell Lines exhibit a stable karyotype and genotype and do not show changes associated with transformation such as tumorigenicity.

USEFUL CANCER MODELS

hTERT Immortalized Cell Lines are invaluable tools in several research areas including carcinogenesis. The cells are effective controls because they do not transform spontaneously in culture and yet, they can be easily transformed to malignant phenotypes (as compared to primary cells) because of their proliferative capacity.

GROWING SPECTRUM OF TOOLS

ATCC offers a growing line of immortalized cells of diverse cell types and tissue sources. In addition to standard ATCC authentication, hTERT Immortalized Cell Lines are tested for extended proliferative capacity, selected phenotypic markers from the tissue of interest, stable genotype and continuous expression of hTERT.

Ordering Information

Description	ATCC [®] No.
htert immortalized bronchial epithelial cell lines	·
NuLi-1, human bronchial epithelium, normal	CRL-4011™
CuFi-1, human bronchial epithelium, cystic fibrosis	CRL-4013™
CuFi-4, human bronchial epithelium, cystic fibrosis	CRL-4015™
CuFi-5, human bronchial epithelium, cystic fibrosis	CRL-4016™
CuFi-6, human bronchial epithelium, cystic fibrosis	CRL-4017™
hTERT IMMORTALIZED CHONDROCYTE FIBROBLAST CELL LINES	,
CHON-001, human bone cartilage fibroblast, normal	CRL-2846™
CHON-002, human bone cartilage fibroblast, normal	CRL-2847™
htert immortalized dermal microvascular endothelial cell lines	·
TIME, human dermal microvascular endothelium, normal	CRL-4025™
TIME-GFP, human dermal microvascular endothelium, normal	CRL-4045™
NFĸB-TIME, human dermal microvascular endothelium, normal	CRL-4049™
htert immortalized endometrial fibroblast cell lines	,
T HESCs, human endometrium fibroblast, non-malignant myoma	CRL-4003™
htert immortalized barrett's esophageal epithelial cell lines	·
CP-A (KR-42421), human Barrett's esophageal epithelium	CRL-4027™
CP-B (CP-52731), human Barrett's esophageal epithelium	CRL-4028™

Description	ATCC [©] No.
hTERT IMMORTALIZED BARRETT'S ESOPHAGEAL EPITHELIAL CELL LINES (Continued)	
CP-C (CP-94251), human Barrett's esophageal epithelium	CRL-4029™
CP-D (CP-18821), human Barrett's esophageal epithelium	CRL-4030™
htert immortalized skin cell lines	
BJ-5ta, human foreskin fibroblast, normal	CRL-4001™
TelCOFS02MA, human skin fibroblast, Cerebro-Oculo-Facio-Skeletal Syndrome	CRL-4005™
Ker-CT, human foreskin keratinocyte, normal	CRL-4048™
htert immortalized mammary epithelial cell lines	
hTERT-HME1 (ME16C), human mammary epithelium, normal	CRL-4010™
hTERT IMMORTALIZED PANCREAS DUCT EPITHELIAL CELL LINES	
hTERT-HPNE, human pancreas duct epithelium, normal	CRL-4023 [™]
hTERT-HPNE E6/E7, human pancreatic duct epithelium	CRL-4036™
hTERT-HPNE E6/E7/st, human pancreatic duct epithelium	CRL-4037™
hTERT-HPNE E6/E7/K-RasG12D, human pancreatic duct epithelium	CRL-4038™
hTERT-HPNE E6/E7/K-RasG12D/st, human pancreatic duct epithelium	CRL-4039™
htert immortalized renal epithelial cell lines	
UMB1949 [UMBSVtel], human renal epithelium, angiomyolipoma	CRL-4004™
SV7tert PDGFtu1, human renal epithelium, angiomyolipoma	CRL-4008™
RPTEC/TERT1, human renal proximal tubules epithelium	CRL-4031™
htert immortalized retinal pigmented epithelial cell lines	
hTERT RPE-1, human retinal pigmented epithelium, normal	CRL-4000™
hTERT IMMORTALIZED ADIPOSE DERIVED MESENCHYMAL STEM CELLS	'
ASC52telo, hTERT immortalized adipose-derived MSC	SCRC-4000™
·	

These materials are subject to claims under U.S. Patent Nos. 6,261,836 and 6,337,200, other pending patent applications, and foreign counterparts thereof. They are provided under the ATCC Material Transfer Agreement and the terms of the Addendum for Commercial and For-Profit Organizations or the Addendum for Non-commercial and Academic Organizations. The TERT-containing plasmid is not available to commercial and for-profit organizations or for work to be conducted under funding from a commercial organization unless a commercial license is obtained. For information please contact the ATCC Office of IP, Licensing and Services.

HELPFUL REFERENCES

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