

### Human Skin cell lines in the Cell Culture Core collection

cell type	cell line	donor age, sex	special characteristics	references
<b>Primary cell lines cultured from genetically normal individuals</b>				
keratinocyte	strain N	M, newborn	Normal	3,4,7,18,21,23,27,29,32,33,34
keratinocyte	N/TERT-1	"	Immortalized; loss of p16 expression	27,32,34
keratinocyte	N/TERT-2	"	Immortalized; reduced p16 expression	27,32,34
keratinocyte	N/E6E7	"	Immortalized; p53- and pRb-deficient	32,33
keratinocyte	N/bmi1/TERT	"	Immortalized; p16/p14ARF repressed	33,35
keratinocyte	A1Ep	M, newborn	Normal; same donor as A1F	7
fibroblast	A1F	"	Normal; same donor as A1-Ep	5
keratinocyte	B1Ep	F, 21	Normal; same donor as B1F	23
fibroblast	B1F	"	Normal; same donor as B1Ep	
keratinocyte	strain E	M, newborn	Normal	2,18
keratinocyte	G5Ep	M, newborn	Normal; same donor as G5F	35
keratinocyte	G5Ep/TERT-2	"	Immortalized	
fibroblast	G5F	M, newborn	Normal; same donor as G5Ep	
keratinocyte	L5Ep	M, 52	Normal; same donor as L5F	
fibroblast	L5F	"	Normal; same donor as L5Ep	
keratinocyte	P1Ep	F, 35	Normal, same donor as P1F	18,21,22
keratinocyte	P1Ep/TERT	"	Immortalized	
fibroblast	P1F	"	Normal; same donor as P1Ep	21
fibroblast	R2F	M, newborn	Normal	15,29
fibroblast	R2F/TERT	"	Immortalized	29
fibroblast	S1F	M, newborn	Normal	27
fibroblast	S1F/TERT-1	"	Immortalized	27
<b>Primary cell lines cultured from individuals with inherited mutations</b>				
keratinocyte	LiF-Ep	F, 60	Li-Fraumeni syndrome: <i>p53</i> (+/-)	27,28
keratinocyte	LiF-Ep/TERT-1	"	“; Immort.; <i>p53</i> (-/-):lost WT allele in culture	27,28
fibroblast	LiF-Fibs	"	Li-Fraumeni syndrome: <i>p53</i> (+/-)	
fibroblast	LiF-Fib-2(early pass.)	M, 30	Li-Fraumeni syndrome: <i>p53</i> (+/-)	
fibroblast	LiF-Fib-2(late pass.)	"	Li-Frau.; <i>p53</i> (-/-) (lost WT allele in culture)	
fibroblast	LiF-Fib-2(late pass.)/TERT	"	“ ; Immortalized	
keratinocyte	BCNS-Ep3	F, 46	Basal Cell Nevus Syndrome: <i>ptc</i> (+/-)	
keratinocyte	LN-1-Ep	M, 24	Lesch-Nyhan syndrome: <i>hprt</i> (o/-)	9
fibroblast	LN-1-Fibs	"	Lesch-Nyhan syndrome: <i>hprt</i> (o/-)	
keratinocyte	K107-Ep	F, 52	inherited $p16^{INK4A}$ (+/-)	29
fibroblast	K107-F	"	inherited $p16^{INK4A}$ (+/-)	
keratinocyte	K107-Ep/p53DD/TERT	"	$p16^{INK4A}$ (-/-) (inherited $p16^{+/-}$ , lost WT allele in culture); <i>p53</i> -deficient; Immort.	29
<b>Epidermal Squamous Cell Carcinoma cell lines</b>				
SCC	SCC-12B.2	M,60	from immunosuppressed transplant recip.	3,4,6,18,22
SCC	SCC-13	F,56	Malignant	3,4,6,11,18,22,32
<b>Primary cell lines of other skin cell types cultured from normal individuals</b>				
sweat gland myoepithelial	BRSO	M, 13	Normal	26
“	DOLA	M, 19	Normal	26
“	DOLA/bmi1/TERT	"	Immortalized; p16/p14ARF repressed	
melanocyte	HMel-1	M, newborn	Normal, light-pigmented individual	
melanocyte	HMel-3	M, newborn	Normal, dark-pigmented individual	
microvascular endothelial	HuDMEC-1	adult	Normal	

### Human Oral and Pharyngeal cell lines in the Cell Culture Core collection

cell type	site	cell line	donor age ,sex	special characteristics	references
keratinocyte	buccal	OKB2	28,M	Normal; same donor as OKF4 and OKP4	20,21
keratinocyte	"	OKB8	66,M	Normal	
keratinocyte	floor of mouth	OKF4	28,M	Normal; same donor as OKB2 and OKP4	20,21,22,23,27,29,32
keratinocyte	"	OKF4/TERT-1	"	Immortalized	27
keratinocyte	"	OKF4/E6E7	"	Immortalized; p53- and pRb-deficient	
keratinocyte	"	OKF6	57,M	Normal	27
keratinocyte	"	OKF6/TERT-1	"	Immortalized	27
keratinocyte	"	OKF6/TERT-2	"	Immortalized; homozygous deletion of p16 and p14ARF	27
keratinocyte	"	OKF6/E6E7		Immortalized; p53- and pRb-deficient	
keratinocyte	gingival	OKG4	27,?	Normal; same donor as OKHP1	20,22,23
keratinocyte	gingival	OKG12	25,M	Normal	
fibroblast	gingival	GingF12	"	Normal; same donor as OKG12	
keratinocyte	hard palate	OKHP1	27,?	Normal; same donor as OKG4	20,21
keratinocyte	"	OKP4	28,M	Normal; same donor as OKF4 and OKB2	20,22,23
keratinocyte	soft palate	OKP7	64,M	Normal	21,22,23
keratinocyte	"	OKP7/bmi1/TERT	"	Immortalized; repressed p16 and p14ARF	
keratinocyte	"	OKP8	?	Down syndrome donor	
fibroblast	"	OFP8	?	Down syndrome donor	
keratinocyte	ventral tongue	OKT4	26,?	Normal	20
keratinocyte	floor of mouth	POE9n	65,M	Premalignant, mod-svr. dysplasia. homozygous deletion of p16 and p14ARF; p53-deficient	27,29,32
keratinocyte	"	POE9n/TERT	"	" ; Immortalized	27
squamous cell carcinoma (SCC)	floor of mouth	SCC-4	55,M	p16-def.,p53-def., immortal	3,4,6,7,11,18,22
SCC	base of tongue	SCC-9	25,M	p16-def.,p53-def., immortal	3,4,6,11,22
SCC	base of tongue	SCC-15	55,M	p16-def.,p53-def., immortal	3,4,6,7,22
SCC	base of tongue	SCC-25	74,M	p16-def.,p53-def., immortal	4,4,6,11,22
SCC	tonsil	SCC-40	80,F	p16-def.,p53-def., immortal	6,7,22
SCC	base of tongue	SCC-61	57,M	p16-def.,p53-def., immortal	11
SCC	floor of mouth	SCC-66	57,M	p16-def.,p53-def., immortal	7,11,22
SCC	base of tongue	SCC-68	?,M	p16-def.,p53-def., immortal	
SCC	soft palate	SCC-71	80,M	p16-def.,p53-def., immortal	22,32

**Human cell lines of other Epithelial cell types in the Cell Culture Core collection**

<b>cell type</b>	<b>cell line</b>	<b>donor age, sex</b>	<b>special characteristics</b>	<b>references</b>
Conjunctival epithelial	ConjEp-1	82,M	Normal	29
"	ConjEp-1/ p53DD/cdk4R/TERT	"	Immortalized; p53-deficient, p16-resistant	29
Corneal limbal keratinocyte	KL-5	30,F	Normal	33
"	KL-5/ bmi1/TERT	"	Immortalized; p16/p14ARF-repressed	33
"	HuCI-22	30,M		29
"	HuCI-22/ p53DD/cdk4R/TERT	"	Immortalized; p53-deficient, p16-resistant	29
Bladder urothelial cell	HBI-10U	20 wk fetal	Normal	13,33
"	HBI-10U/ bmi1/TERT	"	Immortalized; p16/p14ARF-repressed	33
Kidney tubule epithelial cell	HBI-12K	20 wk fetal	Normal	
"	HKi-20	adult, ?	Normal	
Peritoneal mesothelial cell	LP9	26,F	Normal	7,8,10,12,14,15,16,17,25,27
"	LP9/TERT-1	"	immortalized	27
"	LP9/TERT.bsd	"	"	25
"	HM-3	29,F	Normal	25,29
"	HM-3/TERT	"	immortalized	29
"	HM-3/p53DD	"	p53-deficient, extended lifespan	29
"	HM-16	26,F	Normal, cultured from omentum biopsy	
Pleural mesothelial cell	HPM-3	64,M	Normal	
"	HPM-4	65,F	Normal	
Mesothelioma	JMN-1B	adult, ?	Malignant	17
Synoviocyte	Syn-1	adult,F	Normal	
Prostate epithelial	HPrE-1	adult,M	Normal	35
"	HPrE-1/bmi1/TERT	"	Immortalized; p16/p14ARF-repressed	35
Tracheobronchial epithelial cell	TrBEp-1	adult	Normal	33
"	TrBEp-1/bmi1/TERT	adult	Immortalized; p16/p14ARF-repressed	33
Ectovervical epithelial	Ect-1	43,F	Normal	24
"	Ect-1/E6E7	"	Immortalized; p53- and pRB-deficient	24,30
Endocervical epithelial	End-1	43,F	Normal	24
"	End-1/E6E7	"	Immortalized; p53- and pRB-deficient	24,30
Vaginal keratinocyte	VK-2	32,F	Normal	24
"	VK-1/E6E7	"	Immortalized; p53- and pRB-deficient	24,30
hES-derived epithelial cell	hESderK/E6E7 clone K	---	Immortalized; p53- and pRB-deficient, p63+	33

## References cited in the above Tables of cell lines

(note that these papers are available at <http://rheinwaldlab.bwh.harvard.edu>)

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