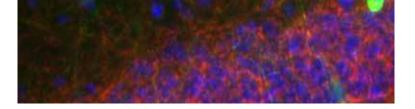
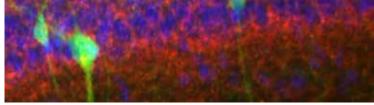
## THE ESSENTIALS OF LIFE SCIENCE RESEARCH GLOBALLY DELIVERED™







## **ATCC**° BRAIN CANCER AND NORMAL CELL LINES

ATCC® No.	Name	Tissue	Cell Type	Oganism	Disease	Age	Ethnicity	Genes Expressed
HTB-12™	SW 1088 [SW-1088, SW1088]	brain		Homo sapiens	astrocytoma	72 years	Caucasian	Blood type A; Rh+
CRL-3020™	CHLA-02-ATRT	brain/brain tumor		Homo sapiens	Atypical Teratoid Rhabdoid Tumor (ATRT)	1.7 years		
CRL-2252™	G-3-5	Brain, spleen, Tissue, Central nervous system	hybridoma: B lymphocyte	Mus musculus	Autopsy			immunoglobulin; monoclonal antibody; against alpha actinin
HTB-14™	U-87 MG	brain		Homo sapiens	classified as grade IV as of 2007, glioblastoma; astrocytoma	44 years	Caucasian	Blood Type A, Rh+
HTB-15™	U-118 MG	brain	Glioblastoma	Homo sapiens	classified as grade IV as of 2007, glioblastoma; astrocytoma	50 years	Caucasian	Blood Type A, Rh+; HLA Aw24, A28, B12, Bw47
HB-46™	3H5-1	Brain, spleen, Ascites	hybridoma: B lymphocyte	Mus musculus	Dengue			immunoglobulin; monoclonal antibody; against a type specific determinant on Dengue virus-2)
HB-47™	15F3-1	Brain, spleen, Ascites	hybridoma: B lymphocyte	Mus musculus	Dengue			immunoglobulin; monoclonal antibody; against dengue virus type 1 (denguevirus 1)
HB-48™	1H10-6	Brain, spleen, Ascites	hybridoma: B lymphocyte	Mus musculus	Dengue			immunoglobulin; monoclonal antibody; against dengue virus type 4 (denguevirus-4)
HB-49™	5D4-11	Brain, spleen, Ascites	hybridoma: B lymphocyte	Mus musculus	Dengue			immunoglobulin; monoclonal antibody; against dengue virus type 3 (dengue virus-3)
HTB-186™	Daoy	brain/cerebellum		Homo sapiens	desmoplastic cerebellar medulloblastoma	4 years	Caucasian	
CRL-2433™	RG2 [D74]	brain	Glioblastoma	Rattus norvegicus	differentiated malignant glioma	fetus, 20 days gestation		
CRL-10742™	HCN-2	brain	cortical neuron	Homo sapiens	encephalitis	7 years		tubulin; neurofilament protein; somatostatin; cholecystokinin-8

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CRL-2299™	bEnd.3	brain/cerebral cortex		Mus musculus	endothelioma	6 weeks		
CRL-1620™	A-172 [A172]	brain		Homo sapiens	glioblastoma	53 years		
CRL-2020™	DBTRG-05MG	brain	glial cell	Homo sapiens	glioblastoma	59 years	Caucasian	vimentin; S-100 protein; neuron specific enolase, Class I antigen expressed
HTB-16™	U-138 MG	brain	Glioblastoma	Homo sapiens	glioblastoma	47 years	Caucasian	Blood Type A; Rh+
CRL-2611™	LN-229	brain/right frontal parieto-occipital cortex	Glioblastoma	Homo sapiens	glioblastoma	60 years	White	p53 + (mutated, CCT (Pro)> CTT (Leu) mutation at codon 98), PTEN + (wild type), p16 - (deleted), p14ARF - (deleted)
CRL-1690™	T98G [T98-G]	brain		Homo sapiens	glioblastoma multiforme	61 years	Caucasian	
PTS- CRL-1690™	T98G [T98-G]	brain		Homo sapiens	glioblastoma multiforme	61 years	Caucasian	
HB-12317™	NG108-15 [108CC15]	brain	somatic cell hybrid	Mus musculus	glioblastoma; neuroblastoma			
HTB-138™	Hs 683	brain		Homo sapiens	glioma	76 years	Caucasian	
CCL-107™	C6	brain	glial cell	Rattus norvegicus	glioma			S-100 protein; produce glyceryl phosphate dehydrogenase in response to glucocorticoids; somatotrophin
CRL-2199™	C6/LacZ	brain	glial cell	Rattus norvegicus	glioma			beta galactosidase (beta-gal)
CRL-2303™	C6/lacZ7	brain	glial cell	Rattus norvegicus	glioma			beta-galactosidase, The subclone was chosen because it has a more stable expression of the lacZ marker.
CRL-2200™	9L/lacZ	brain	glial cell	Rattus norvegicus	gliosarcoma			beta galactosidase (beta-gal)
HTB-13™	SW 1783 [SW-1783, SW1783]	brain		Homo sapiens	grade III, astrocytoma	68 years adult	Caucasian	
CRL-1718™	CCF-STTG1	brain		Homo sapiens	grade IV, astrocytoma	68 years	Caucasian	HLA-DR; Homo sapiens, expressed
CRL-2610™	LN-18	brain/cerebrum; right temporal lobe		Homo sapiens	grade IV, glioblastoma; glioma	65 years	White	fibronectin, p53 + (mutated, TGT (Cys)> TCT (Ser) mutation at codon 238), PTEN + (wild type), p16 - (deleted), p14ARF - (deleted), HLA A2, A9, B5, BW35, DRW3
CRL-1814™	3G5	Brain, spleen, pituitary, adrenal, lymphocyte, thyroid, lymphocyte, Tissue	hybridoma: B lymphocyte	Mus musculus	Insulinoma			immunoglobulin; monoclonal antibody; against a ganglioside associated with endocrine cells (pancreatic islet, adrenal medulla, pituitary, thyroid), human T lymphocytes and neuronal cells, Increasing expression of the 3G5 reactive ganglioside correlates with increasing degree of differentiation of rat insulinoma cells (RIN5F).
CRL-2365™	M059K	brain	glial cell	Homo sapiens	malignant glioblastoma; glioma	33 years		
CRL-2366™	M059J	brain	glial cell	Homo sapiens	malignant glioblastoma; glioma	33 years		
CRL-2060™	PFSK-1	brain/cerebral hemisphere		Homo sapiens	malignant primitive neuroectodermal tumor	22 months	Caucasian	

ATCC® No.	Name	Tissue	Cell Type	Oganism	Disease	Age	Ethnicity	Genes Expressed
HTB-187™	D341 Med	brain/cerebellum	Medulloblastoma	Homo sapiens	medulloblastoma	3.5 years		The cell line is positive for expression of neurofibrillary proteins, glutamine synthetase and neuron specific enolase but negative for glial fibrillary acidic proteins and S100 (S-100) protein. The cells are positive for the neuroectodermal antigen recognized by the UJ13A monoclonal antibody.
HTB-185™	D283 Med	brain/cerebellum: peritoneum	Medulloblastoma	Homo sapiens	medulloblastoma	6 years juvenile	Caucasian	The cells express elevated levels of four biochemical markers of SCLC (neuron specific enolase, the brain isoenzyme of creatine kinase, L-DOPA decarboxylase and bombesin-like immunoreactivity.
CRL-3021™	CHLA-01-MED	brain tumor, cerebellum	Medulloblastoma	Homo sapiens	medullomyoblastoma	8 years		
CRL-2273™	CHP-212	brain		Homo sapiens	neuroblastoma			
CCL-127™	IMR-32	brain: abdominal mass	neuroblast, Neuroblastoma, fibroblast	Homo sapiens	neuroblastoma	13 months	Caucasian	
CRL-2137™	SK-N-AS	brain: bone marrow	neuroblast	Homo sapiens	neuroblastoma	6 years	Caucasian	
CRL-2142™	SK-N-FI	brain: bone marrow	neuroblast	Homo sapiens	neuroblastoma	11 years	Caucasian	tumor necrosis factor (TNF)
CRL-2149™	SK-N-DZ	brain: bone marrow	neuroblast	Homo sapiens	neuroblastoma	2 years	Caucasian	
CRL-2266™	SH-SY5Y	brain: bone marrow		Homo sapiens	neuroblastoma	4 years		Blood Type A; Rh+
CRL-2267™	BE(2)-M17	brain: bone marrow	neuroblast	Homo sapiens	neuroblastoma	2 years		
CRL-2268™	BE(2)-C	brain: bone marrow	neuroblast, Neuroblastoma	Homo sapiens	neuroblastoma	2 years		
CRL-2271™	SK-N-BE(2)	brain: bone marrow	neuroblast, Neuroblastoma	Homo sapiens	neuroblastoma	2 years		
HTB-11™	SK-N-SH	brain: bone marrow		Homo sapiens	neuroblastoma	4 years		plasminogen activator, shows increased expression of M-CSF after treatment with amyloid-beta peptide, Blood Type A; Rh+
CRL-2270™	MC-IXC	brain: supra-orbital area	fibroblast	Homo sapiens	neuroblastoma	14 years	Caucasian	Blood Type O; Rh+
CCL-131™	Neuro-2a	brain	neuroblast	Mus musculus	neuroblastoma			acetylcholinesterase, tubulin, H-2, a haplotype; Mus musculus, expressed
CCL-147™	NB41A3	brain	neuroblast	Mus musculus	neuroblastoma			choline acetylase; tyrosine hydroxylase; acetylcholinesterase
CRL-2263™	N1E-115	brain	neuroblast	Mus musculus	neuroblastoma			
CRL-2269™	SH-EP1	brain: bone marrow	neuroblast, Neuroblastoma, glial cell, Schwann Cell	Homo sapiens	neuroblastoma	4 years	Caucasian, White	Blood Type A; Rh+
HTB-10™	SK-N-MC	brain: supra-orbital area		Homo sapiens	neuroepithelioma	14 years	Caucasian	Blood Type O; Rh+
HTB-148™	H4	brain		Homo sapiens	neuroglioma	37 years	Caucasian	
CRL-2397™	F98	brain	Glioblastoma	Rattus norvegicus	undifferentiated malignant glioma	fetus, 20 days gestation		

ATCC® No.	Name	Tissue	Cell Type	Oganism	Disease	Age	Ethnicity	Genes Expressed
CRL-2948™	F98 EGFR	brain		Rattus norvegicus	undifferentiated malignant glioma	fetus, 20 days gestation		
CRL-2949™	F98 npEGFRvIII	brain	Glioblastoma	Rattus norvegicus	undifferentiated malignant glioma	fetus, 20 days gestation		
CRL-2032™	PG-4 (S+L-)	brain		Felis catus		embryo		
CRL-8621™	SVG p12	brain		Homo sapiens		fetus, first trimester		SV40 T protein; glial fibrillary acidic protein (GFAP)
CRL-11179™	CATH.a	brain	neuron	Mus musculus				dopamine; norepinephrine; synaptophysin
CRL-2467™	EOC 2	brain	microglia	Mus musculus		10 days		CD11b/CD18 (Mac-1) +, Mac-2 +, Mac-3 +, CD80 (B7-1) +, CD86 (B7.2) +; CD45 +, Ly-6C +, F4/80 +, MHC Class I +, MHC Class II +, CD115 (colony stimulating factor 1 receptor (CSF-1R)) +, FcR +
CRL-2468™	EOC 13.31	brain	microglia	Mus musculus		10 days		CD11b/CD18 (Mac-1) +, Mac-2 +, Mac-3 +, CD80 (B7-1) +, CD86 (B7.2) +; CD45 +, Ly-6C +, F4/80 +, MHC Class I +, MHC Class II +, CD115 (colony stimulating factor 1 receptor (CSF-1R)) +, FcR +
CRL-2469™	EOC 20	brain	microglia	Mus musculus		10 days juvenile		CD11b/CD18 (Mac-1) +, Mac-2 +, Mac-3 +, CD80 (B7-1) +, CD45 +, Ly-6C +, MHC Class I +, MHC Class II +, CD115 (colony stimulating factor 1 receptor (CSF-1R)) +, FcR +, F4/80 +/-, CD86 (B7.2) -
CRL-2534™	C8-D30 [Astrocyte type III clone]	brain/cerebellum	Microglial, Astrocytes, Macrophage, Epithelial	Mus musculus		8 days		
CRL-2535™	C8-S [Astrocyte type II clone]	brain/cerebellum	Microglial, Astrocytes, Macrophage, Epithelial	Mus musculus		8 days		
CRL-2540™	C8-B4	brain/cerebellum		Mus musculus		8 days juvenile		glutamate, CD4
CRL-2541™	C8-D1A [Astrocyte type   clone]	brain/cerebellum	Microglial, Astrocytes, Macrophage, Epithelial	Mus musculus		8 days		
CRL-1656™	Mpf	brain		Mustela putoris furo		6 weeks		
CRL-2006™	CTX TNA2	brain/cortex	astrocyte, type 1 phenotype	Rattus norvegicus		neonate		alpha 2 macroglobulin; transferrin
CRL-2005™	DI TNC1	brain/diencephalon	astrocyte, type 1 phenotype	Rattus norvegicus		neonate		alpha 2 macroglobulin; transferrin
CRL-2526™	H19-7/IGF-IR	brain/hippocampus	fibroblast	Rattus norvegicus		embryo; 17 day gestation		
CRL-2825™	RN33B	brain/medullary raphe nucleus		Rattus norvegicus		12.5 days gestation embryo		enolase, nestin, neurofilament, vimentin
CRL-2033™	G355-5	brain	astrocyte	Felis catus		embryo		
CRL-2925™	NE-4C	brain/ neuroectodermal	neural stem cell	Mus musculus		embryo		Sox-2, Otx-2, En-1
CRL-1443™	BC3H1	brain/smooth muscle like	methylnitrosourea induced	Mus musculus				adenylate phosphokinase; creatine phosphokinase, H-2k

ATCC® No.	Name	Tissue	Cell Type	Oganism	Disease	Age	Ethnicity	Genes Expressed
CRL-2538™	4C5G	Brain, Lymph node, Brain, Brain, Brain, liver	hybridoma: B lymphocyte	Mus musculus				immunoglobulin; monoclonal antibody; against type II phosphatidylinositol 4-kinase (PtdIns 4-kinase) from bovine brain
CRL-2228™	X22	Brain, spleen	hybridoma: B lymphocyte	Mus musculus				immunoglobulin; monoclonal antibody; against human clathrin heavy chain
TIB-135™	CVC.1	Brain, spleen	hybridoma: B lymphocyte	Mus musculus				immunoglobulin; monoclonal antibody; against bovine brain clathrin (light chain, 36000 dalton)
TIB-137™	CVC.4	Brain, spleen	hybridoma: B lymphocyte	Mus musculus				immunoglobulin; monoclonal antibody; against bovine brain clathrin
TIB-138™	CVC.7	Brain, spleen	hybridoma: B lymphocyte	Mus musculus				immunoglobulin; monoclonal antibody; against bovine brain clathrin (light chain, 36000 dalton)
CRL-1700™	SCP	brain/choroid plexus		Ovis aries				
CRL-2815™	HAPI	Brain	microglia; spontanous immortalizatio	Rattus norvegicus		3 days		
CRL-6538™	OA1	brain		Ovis aries		2 months gestation		
CRL-10442™	HCN-1A	brain	cortical neuron	Homo sapiens		18 months		tubulin; neurofilament protein; somatostatin; cholecystokinin-8
CRL-2926™	NE-GFP-4C	brain/ neuroectodermal	neural stem cell	Mus musculus		embryo		Sox-2, Otx-2, En-1

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