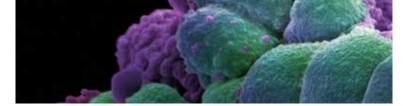
THE ESSENTIALS OF LIFE SCIENCE RESEARCH GLOBALLY DELIVERED™







ATCC° BREAST CANCER AND NORMAL CELL LINES

ATCC® No.	Name	Tissue	Cell Type	Disease	Oganism	Age	Ethnicity	Genes Expressed
CRL-7227™	Hs 281.T	mammary gland; breast		adenocarcinoma	Homo sapiens	37 years	Caucasian	
CRL-7245™	Hs 343.T	mammary gland; breast		adenocarcinoma	Homo sapiens	47 years	Caucasian	
CRL-7253™	Hs 362.T	mammary gland; breast		adenocarcinoma	Homo sapiens	78 years	Caucasian	
HTB-132™	MDA-MB-468	mammary gland; breast		adenocarcinoma	Homo sapiens	51 years	Black	Blood Type AB; HLA Aw23, Aw30, B27, Bw35, Cw2, Cw4 (patient)
HTB-27™	MDA-MB-361	mammary gland; breast: brain		adenocarcinoma	Homo sapiens	40 years	Caucasian	wnt7h +
CRL-2351™	AU565 [AU-565]	mammary gland; breast: malignant pleural effusion		adenocarcinoma	Homo sapiens	43 years	Caucasian, White	her2/neu + (overexpressed); her3 +; her4 +; p53 +
HTB-22™	MCF7	mammary gland; breast: pleural effusion	epithelial	adenocarcinoma	Homo sapiens	69 years adult	Caucasian	insulin-like growth factor binding proteins (IGFBP) BP-2; BP-4; BP-5, Blood Type O; Rh+
HTB-26™	MDA-MB-231	mammary gland; breast: pleural effusion	epithelial	adenocarcinoma	Homo sapiens	51 years adult	Caucasian	
HTB-128™	MDA-MB-415	mammary gland; breast: pleural effusion		adenocarcinoma	Homo sapiens	38 years adult		amelogenin (X chromosome)(AMELEX), Blood Type O
HTB-130™	MDA-MB-436	mammary gland; breast: pleural effusion		adenocarcinoma	Homo sapiens	43 years	Caucasian	tubulin; actin
HTB-21™	CAMA-1	mammary gland; breast: pleural effusion		adenocarcinoma	Homo sapiens	51 years	Caucasian	Blood type O; Rh +; HLA A10, A11, B12, B18
HTB-30™	SK-BR-3	mammary gland; breast: pleural effusion		adenocarcinoma	Homo sapiens	43 years	Caucasian	Blood Type A; Rh+; HLA A11, Bw22(+/-), B40, B18

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ATCC® No.	Name	Tissue	Cell Type	Disease	Oganism	Age	Ethnicity	Genes Expressed
CRM-HTB-26™	MDA-MB-231	mammary gland; breast: pleural effusion	epithelial	adenocarcinoma	Homo sapiens	51 years adult	Caucasian	
CRL-2116™	JC	mammary gland	Epithelial, Epithelial-like	adenocarcinoma	Mus musculus	1.5 years		
CRL-1666™	13762 MAT B III	mammary gland		adenocarcinoma	Rattus norvegicus			
CRL-1743™	NMU	mammary gland		adenocarcinoma	Rattus norvegicus	50 days adult		collagen (Type IV); plasminogen activator; prostaglandins; keratin
CRL-1747™	RBA	mammary gland		adenocarcinoma	Rattus norvegicus	50 days adult		keratin
CRL-3127™	UACC-1179	mammary gland; breast	epithelial-like	adenocarcinoma	Homo sapiens	61 years old		
CRL-3180™	UACC-2087	mammary gland; breast; derived from metastatic site: pleural fluid		adenocarcinoma	Homo sapiens	51 years old		
CRM-HTB- 26D™	MDA-MB-231	mammary gland; breast: pleural effusion	epithelial	adenocarcinoma	Homo sapiens	51 years adult	Caucasian	
CRL-7222™	Hs 274.T	mammary gland; breast		adenocarcinoma	Homo sapiens	66 years	Caucasian	
CRL-7477™	Hs 739.T	mammary gland; breast		adenocarcinoma	Homo sapiens	52 years	Asian	
CRL-7480™	Hs 741.T	mammary gland; breast		adenocarcinoma	Homo sapiens	47 years	Caucasian	
CRL-6602™	SMT/2A LNM	mammary gland		adenocarcinoma	Rattus norvegicus			
CRL-7486™	Hs 748.T	mammary gland; breast		cancer	Homo sapiens	48 years	Caucasian	
HTB-125™	Hs 578Bst	mammary gland; breast	Epithelial, Myoepithelial	Carcinoma	Homo sapiens	74 years	Caucasian	
HTB-126™	Hs 578T	mammary gland; breast	fibroblast	Carcinoma	Homo sapiens	74 years adult	Caucasian	
HTB-19™	BT-20	mammary gland; breast		carcinoma	Homo sapiens	74 years	Caucasian	HLA A1, Bw16 (+/-)
CRL-7347™	Hs 579.Mg	mammary gland; breast		Carcinoma	Homo sapiens		Caucasian	
CRL-1897™	UACC-812	mammary gland; breast		ductal carcinoma	Homo sapiens	43 years		
HTB-121™	BT-483	mammary gland; breast	Epithelial	ductal carcinoma	Homo sapiens	23 years	Caucasian	
HTB-122™	BT-549	mammary gland; breast	Epithelial	ductal carcinoma	Homo sapiens	72 years	Caucasian	
CRL-7345™	Hs 574.T	mammary gland; breast/duct		ductal carcinoma	Homo sapiens			
HTB-20™	BT-474	mammary gland; breast/duct		ductal carcinoma	Homo sapiens	60 years adult	Caucasian	

ATCC® No.	Name	Tissue	Cell Type	Disease	Oganism	Age	Ethnicity	Genes Expressed
CRL-1500™	ZR-75-1	mammary gland; breast/duct: ascites	epithelial	ductal carcinoma	Homo sapiens	63 years adult	Caucasian	mucin (apomucin, MUC-1, MUC-2)
CRL-2865™	T47D-KBluc	mammary gland; breast/duct: pleural effusion	epithelial transfected with reporter plasmid	ductal carcinoma	Homo sapiens	54 years adult		
HTB-133™	T-47D	mammary gland; breast/duct: pleural effusion	Epithelial	ductal carcinoma	Homo sapiens	54 years adult		
HTB-23™	MDA-MB-134-VI	mammary gland; breast/duct: pleural effusion		ductal carcinoma	Homo sapiens	47 years adult	Caucasian	Blood Type O; Rh+
HTB-25™	MDA-MB-175-VII	mammary gland; breast/duct: pleural effusion	epithelial	ductal carcinoma	Homo sapiens	56 years	Black	
CRL-1504™	ZR-75-30	mammary gland; breast: ascites	epithelial	ductal carcinoma	Homo sapiens	47 years	Black	
CRL-3121™	UACC-2648	breast/duct	epithelial-like	ductal carcinoma	Homo sapiens	58 yrs	Caucasian	
CRL-10317™	MCF 10A	mammary gland; breast	epithelial	fibrocystic disease	Homo sapiens	36 years	Caucasian	
CRL-10318™	MCF 10F	mammary gland; breast	Epithelial, Myoepithelial	fibrocystic disease	Homo sapiens	36 years		
CRL-10781™	MCF-10-2A	mammary gland; breast	Epithelial	fibrocystic disease	Homo sapiens	36 years		cytokeratin 19. The cells are positive for epithelial cytokeratins and milk fat globule antigen.
CRL-7329™	Hs 564(E).Mg	mammary gland; breast		infiltrating ductal carcinoma	Homo sapiens	53 years adult	Caucasian	
CRL-2983™	UACC-3199	mammary gland; breast/breast duct: axillary lymph node		infiltrating ductal carcinoma of the breast	Homo sapiens	58 years old	Caucasian	c-erbB-2 positive
CRL-7236™	Hs 319.T	mammary gland; breast		infiltrating ductal cell carcinoma	Homo sapiens	42 years	Caucasian	
CRL-2988™	UACC-3133	mammary gland; breast: pleural effusion	epithelial-like	infiltrating lobular carcinoma of breast	Homo sapiens	52 years old	Caucasian	
CRL-3166™	UACC-732	mammary gland; breast; derived from metastatic site: pleural fluid		inflammatory carcinoma of the breast	Homo sapiens	33 years old	Caucasian	
CRL-2755™	EMT6	breast	epithelial	mammary carcinoma	Mus musculus			
HTB-24™	MDA-MB-157	mammary gland; breast/medulla		medulallary carcinoma	Homo sapiens	44 years adult	Black	Blood Type B; Rh-
HTB-131™	MDA-MB-453	mammary gland; breast: pericardial effusion		metastatic carcinoma	Homo sapiens	48 years	Caucasian	

ATCC® No.	Name	Tissue	Cell Type	Disease	Oganism	Age	Ethnicity	Genes Expressed
CRL-8400™	CSMalphabeta6C [CSMab6C]	mammary gland	fibroblast	Papilloma	Mus musculus			glycoprotein hormones, alpha polypeptide (chorionic gonadotropin, alpha polypeptide, luteinizing hormone alpha) [CGA], chorionic gonadotropin, beta polypeptide, glycoprotein hormones, alpha polypeptide
CRL-8399™	CMH1a	mammary gland		Papilloma, hepatitis, hepatitis	Mus musculus			surface antigen [sAg]
CRL-8401™	CMalphabeta1h [CMab1h]	mammary gland	fibroblast	Papilloma, Papilloma, Papilloma	Mus musculus			glycoprotein hormones, alpha polypeptide(chorionic gonadotropin, alpha polypeptide, luteinizing hormone alpha) [CGA], chorionic gonadotropin, beta polypeptide, glycoprotein hormones, alpha polypeptide
CRL-1902™	UACC-893	mammary gland; breast		primary ductal carcinoma	Homo sapiens	57 years	Caucasian	
CRL-7482™	Hs 742.T	mammary gland; breast		scirrhous adenocarcinoma	Homo sapiens	71 years	Caucasian	
CRL-2539™	4T1	mammary gland		This tumor is an animal stage IV human breast cancer.	Mus musculus			
CRL-2324™	HCC1395	mammary gland; breast/duct	Epithelial, lymphoblast	TNM stage I, grade 3, primary ductal carcinoma	Homo sapiens	43 years adult	Caucasian, White	Epithelial glycoprotein 2 (EGP2), cytokeratin 19, her2/neu -, p53 +, The cells are negative for expression of Her2-neu but positive for expression of p53., The cells are negative for expression of estrogen receptors (ER -) according to depositor and negative for expression of progesterone receptors (PR -).
CRL-2338™	HCC1954	mammary gland; breast/duct	Epithelial	TNM stage IIA, grade 3, ductal carcinoma	Homo sapiens	61 years adult	East Indian	HCC1954 overexpresses her2/neu and is positive for the epithelial cell specific marker Epithelial Glycoprotein 2 and for cytokeratin 19, and is negative for expression of estrogen receptor (ER) and progesterone receptor (PR).
CRL-2320™	HCC1008	mammary gland; breast/duct: lymph node	Epithelial	TNM stage IIA, grade 3, ductal carcinoma	Homo sapiens	67 years adult	Black	Epithelial glycoprotein 2 (EGP2), cytokeratin 19, her2/ neu +, p53 +, The cells are positive for expressions of Her2-neu and p53 oncogenes., The cells are negative for expression of estrogen receptor (ER) and for expression of progesterone receptor (PR).
CRL-2321™	HCC1143	mammary gland; breast/duct	Epithelial	TNM stage IIA, grade 3, primary ductal carcinoma	Homo sapiens	52 years adult	Caucasian	Epithelial glycoprotein 2 [EGP2]; cytokeratin 19, her2/ neu -; p53 +, The cells are negative for expression of Her2-neu but positive for expression of p53., HCC1143 is positive for the epithelial cell specific marker Epithelial Glycoprotein 2 and for cytokeratin 19, and is negative for expression of estrogen receptor (ER) and progesterone receptor (PR).
CRL-2322™	HCC1187	mammary gland; breast/duct	Epithelial	TNM stage IIA, grade 3, primary ductal carcinoma	Homo sapiens	41 years adult	Caucasian, White	Epithelial glycoprotein 2 (EGP2), cytokeratin 19, her2/neu -, p53 +
CRL-2335™	HCC1806	mammary gland; breast	Epithelial	TNM stage IIB, grade 2, primary acantholytic squamous cell carcinoma	Homo sapiens	60 years	Black	Epithelial glycoprotein 2 [EGP2]; cytokeratin 19, her2/neu -, p53 -, The cells are negative for expression of Her2-neu and for expression of p53., The cells are negative for expression of estrogen receptor (ER) and for expression of progesterone receptor (PR).
CRL-2329™	HCC1500	mammary gland; breast/duct	Epithelial	TNM stage IIB, grade 2, primary ductal carcinoma	Homo sapiens	32 years	Black	Epithelial glycoprotein 2 (EGP2), cytokeratin 19, her2/ neu -, p53 +, The cells are negative for expression of Her2-neu but positive for expression of p53., The cells are positive for expression of estrogen receptor (ER) and for expression of progesterone receptor (PR).

ATCC® No.	Name	Tissue	Cell Type	Disease	Oganism	Age	Ethnicity	Genes Expressed
CRL-2314™	HCC38	mammary gland; breast/duct	Epithelial	TNM stage IIB, grade 3, primary ductal carcinoma	Homo sapiens	50 years adult	Caucasian, White	The cells are negative for expression of Her2-neu but positive for expression of p53, HCC38 is positive for the epithelial cell specific marker Epithelial Glycoprotein 2 [EGP2] and for cytokeratin 19, and is negative for expression of estrogen receptor (ER) and progesterone receptor (PR).
CRL-2336™	HCC1937	mammary gland; breast/duct	lymphoblast, epithelial	TNM stage IIB, grade 3, primary ductal carcinoma	Homo sapiens	23 years adult	Caucasian	Epithelial glycoprotein 2 (EGP2), cytokeratin 19, BRCA1 (mutated, insertion C at nucleotide 5382), her2/neu -, p53 -, The cells are negative for expression of Her2-neu and for expression of p53., The cells are negative for expression of estrogen receptor (ER) and progesterone receptor (PR)
CRL-2340™	HCC2157	mammary gland; breast/duct	Epithelial	TNM stage IIIA, grade 2, primary ductal carcinoma	Homo sapiens	48 years adult	Black	Epithelial glycoprotein 2 [EGP2]; cytokeratin 19, her2/neu +, p53 +, The cells are positive for expression of Her2-neu and for expression of p53., The cells are negative for expression of estrogen receptor (ER -), but positive for expression of progesterone receptor (PR +).
CRL-2316™	HCC202	mammary gland; breast/duct	Epithelial	TNM stage IIIA, grade 3, primary ductal carcinoma	Homo sapiens	82 years	Caucasian, White	Epithelial glycoprotein 2 [EGP2]; cytokeratin 19, her2/neu +, p53 -, The cells are positive for expression of Her2-neu, but are negative for expression of p53., The cells are negative for expression of estrogen receptor (ER -) and progesterone receptor (PR -).
CRL-2331™	HCC1599	mammary gland; breast/duct	Epithelial, lymphoblast	TNM stage IIIA, grade 3, primary ductal carcinoma	Homo sapiens	44 years adult	Caucasian, White	Epithelial glycoprotein 2 [EGP2]; cytokeratin 19, her2/neu -, p53 -, The cells are negative for expression of Her2-neu and for expression of p53., The cells are negative for expression of estrogen receptor (ER) and for expression of progesterone receptor (PR).
CRL-2326™	HCC1419	mammary gland; breast	Epithelial	TNM stage IIIA, grade 3, primary ductal carcinoma	Homo sapiens	42 years	Hispanic	Epithelial glycoprotein 2 [EGP2]; cytokeratin 19, her2/ neu +, p53 -, The cells overexpress Her2-neu but are negative for expression of p53. HCC1419 is positive for the epithelial cell specific marker epithelial glycoprotein 2 (EGP2) and for cytokeratin 19. The cells are negative for expression of estrogen receptor (ER) and for expression of progesterone receptor (PR).
CRL-2343™	HCC2218	mammary gland; breast/duct	Epithelial, lymphoblast	TNM stage IIIA, grade 3, primary ductal carcinoma	Homo sapiens	38 years adult	Caucasian, White	Epithelial glycoprotein 2 [EGP2]; cytokeratin 19, her2/ neu +, p53 +, The cells are highly positive for expression of Her2/neu, and are also positive for expression of p53., The cells are negative for expression of estrogen receptor (ER -).
CRL-2315™	HCC70	mammary gland; breast/duct	Epithelial	TNM stage IIIA, grade 3, primary ductal carcinoma	Homo sapiens	49 years	Black	Epithelial glycoprotein 2 [EGP2]; cytokeratin 19, her2/neu -, p53 + (overexpressed), The cells overexpress p53, and are negative for the expression of Her2-neu oncogenes., The depositor of CRL-2315 initially reported the cells were positive for estrogen receptors.
CRL-2330™	HCC1569	mammary gland; breast	Epithelial	TNM stage IV, grade 3, primary metaplastic carcinoma	Homo sapiens	70	Black	Epithelial glycoprotein 2 [EGP2]; cytokeratin 19, her2/ neu +, p53 -, positive for expression of Her2-neu and negative for expression of p53., The cells are negative for expression of estrogen receptor (ER) and for expression of progesterone receptor (PR) by immunohistochemistry, but PR expression was detectable at a low level by cytosolic protein assay.

ATCC® No.	Name	Tissue	Cell Type	Disease	Oganism	Age	Ethnicity	Genes Expressed
CRL-2327™	HCC1428	mammary gland; breast: adenocarcinoma and pleural effusion	Epithelial	TNM stage IV, grade 4, adenocarcinoma	Homo sapiens	49 years	Caucasian, White	HCC1428 cells are positive for the expression of Epithelial glycoprotein 2 [EGP2]; cytokeratin 19
CRL-1616™	C127I	mammary gland		visualization of sarcoma virus-induced foci and for an in vitro quantitative assay for bovine papilloma virus. Host for transfection with plasmids containing bovine papilloma virus DNA, visualization of sarcoma virus-induced foci and for an in vitro quantitative assay for bovine papilloma virus. Host for transfection with plasmids containing bovine papilloma virus DNA, transfection with plasmids containing bovine papilloma virus DNA, s for transformation with bovine papilloma virus DNA plasmid				
CRL-10782™	MCF-12A	mammary gland; breast			Homo sapiens	60 years adult	Caucasian	epithelial mucin, milk fat globule membrane antigen, sialomucin, The cells are positive for epithelial cytokeratins 8, 14 and 18, and negative for cytokeratin 19.
CRL-10783™	MCF-12F	mammary gland; breast	Epithelial		Homo sapiens	60 years	Caucasian	Cells derived from a floating population are available (see MCF-12F, ATCC CRL-10783).
CRL-2713™	MDA-kb2	mammary gland; breast	epithelial		Homo sapiens	48 years adult	Caucasian	luciferase, androgen receptor
CRL-7365™	Hs 605.T	mammary gland; breast			Homo sapiens	61 years	Caucasian	
CRL-7940™	SW527 [SW 527, SW-527]	mammary gland; breast			Homo sapiens	70 years	Caucasian	blood type A; Rh+
HTB-123™	DU4475	mammary gland; breast			Homo sapiens	70 years	Caucasian	
CRL-8798™	184A1	mammary gland; breast/epithelium			Homo sapiens	21 years		
CRL-8799™	184B5	mammary gland; breast/epithelium			Homo sapiens	21 years		
CRL-7721™	MB 157	mammary gland; breast/pleural effusion: pleural effusion			Homo sapiens	48 years adult	Black	
CRL-6299™	CMMT	mammary gland			Macaca mulatta	adult		
CCL-51™	MMT 060562	mammary gland			Mus musculus			
CRL-1615™	CL-S1	mammary gland			Mus musculus			plasminogen activator (low amounts)
CRL-1636™	NMuMG	mammary gland			Mus musculus			
CRL-1804™	C127: LT	mammary gland			Mus musculus			
CRL-6376™	MM3MG	mammary gland			Mus musculus			

ATCC® No.	Name	Tissue	Cell Type	Disease	Oganism	Age	Ethnicity	Genes Expressed
CRL-6378™	мм5мтс	mammary gland			Mus musculus			
CRL-6468™	+/+ MGT	mammary gland			Mus musculus	adult		
CRL-2283™	LA7	mammary gland	Epithelial		Rattus norvegicus	adult		
CRL-6599™	Rn2T	mammary gland			Rattus norvegicus	2 years		
CRL-6230™	CF37.Mg	mammary gland			Canis familiaris	2 years		
CRL-6232™	CF41.Mg	mammary gland			Canis familiaris	10 years		
CRL-7336™	Hs 566(B).T	mammary gland; breast			Homo sapiens	35 years		
CRL-7368™	Hs 606.T	mammary gland; breast			Homo sapiens	44 years	Caucasian	
CRL-3063™	Eph4Ev	Mammary	Epithelium		Mus musculus			
CRL-3069™	B-MEKDD 116	Mammary	Epithelial		Mus musculus			
CRL-3071™	Eph4 1424	Mammary			Mus musculus			
CRL-3086™	M158	Mammary			Mus musculus			
CRL-3090™	NF639	Mammary			Mus musculus			
CRL-3092™	Ac 711	Mammary			Mus musculus			
CRL-1637™	Mm5MT	mammary gland			Mus musculus			mouse mammary tumor virus (MMTV) and MMTV antigens
CRL-7242™	Hs 329.T	mammary gland; breast			Homo sapiens	54 years	Caucasian	
CRL-7256™	Hs 371.T	mammary gland; breast			Homo sapiens	28 years	Caucasian	
CRL-7145™	Hs 190.T	mammary gland; breast			Homo sapiens	11 years	Caucasian	
CRL-7246™	Hs 344.T	mammary gland; breast			Homo sapiens	49 years	Caucasian	
CRL-7248™	Hs 350.T	mammary gland; breast			Homo sapiens	55 years	Caucasian	
CRL-7379™	Hs 617.Mg	mammary gland; breast			Homo sapiens	71 years adult	Caucasian	
CRL-7574™	Hs 841.T	mammary gland; breast			Homo sapiens	48 years		
CRL-7583™	Hs 849.T	mammary gland; breast			Homo sapiens	41 years	Caucasian	
CRL-7584™	Hs 851.T	mammary gland; breast			Homo sapiens	61 years	Caucasian	

ATCC [®] No.	Name	Tissue	Cell Type	Disease	Oganism	Age	Ethnicity	Genes Expressed
CRL-7596™	Hs 861.T	mammary gland; breast			Homo sapiens	42 years		
CRL-7612™	Hs 875.T	mammary gland; breast			Homo sapiens	21 years	Caucasian	
CRL-6373™	MM2MT	mammary gland			Mus musculus			
CRL-6449™	RIIIMT	mammary gland			Mus musculus	adult		
CRL-6598™	Rn1T	mammary gland			Rattus norvegicus	2 years		
CRL-6231™	CF38.Mg	mammary gland			Canis familiaris	2 years		
CRL-6228™	CF34.Mg	mammary gland; spontaneous tumor			Canis familiaris	10 years		

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