



## LIVER CANCER AND NORMAL CELL LINES

ATCC® No.	Name	Tissue	Cell Type	Disease	Organism	Age	Ethnicity	Genes Expressed
HTB-79™	Capan-1	pancreas: liver		adenocarcinoma	Homo sapiens	40 years	Caucasian	mucin, Blood Type A; Rh+; HLA A2, A9, B13, B17
HTB-52™	SK-HEP-1	liver/ascites	Endothelial	adenocarcinoma	Homo sapiens	52 years	Caucasian	
CRL-8306™	MC/9	liver	mast cell	Allergen	Mus musculus	13 days		histamine; leukotrienes
CRL-1439™	clone 9	liver	Epithelial	carcinogenesis	Rattus norvegicus	4 weeks		
HB-8108™	B72.3	liver, spleen, liver	"hybridoma: B lymphocyte"	Carcinoma	Mus musculus			immunoglobulin; monoclonal antibody; against human mammary tumor cells
HB-8107™	B25.2	liver, spleen, liver	"hybridoma: B lymphocyte"	Carcinoma	Mus musculus			immunoglobulin; monoclonal antibody; against human mammary tumor cells
HB-8106™	B6.2	liver, spleen, liver	"hybridoma: B lymphocyte"	Carcinoma, sarcoma	Mus musculus			immunoglobulin; monoclonal antibody; against human mammary tumor cells
HB-8110™	B38.1	liver, spleen, liver	"hybridoma: B lymphocyte"	Carcinoma, sarcoma	Mus musculus			immunoglobulin; monoclonal antibody; against human mammary tumor cells
CRL-2064™	DMS 153	lung: liver		carcinoma; small cell lung cancer	Homo sapiens	44 years	Caucasian	adrenocorticotropin (adrenocorticotrophic hormone, ACTH); bombesin; calcitonin; calcitonin gene related peptide (CGRP); oxytocin - neurophysin (OT-NP); 17 beta estradiol, Leu 7 +; My23 +; CD11b +
CRL-1837™	SU.86.86	pancreas: liver		ductal carcinoma	Homo sapiens	57 years	Caucasian	carcinoembryonic antigen (CEA)
CRL-5822™	NCI-N87 [N87]	stomach: liver		gastric carcinoma	Homo sapiens			myc +; erb B2 +
CRL-2235™	SNU-182	liver		grade III/IV, hepatocellular carcinoma	Homo sapiens	24 years adult	Asian	Blood Type O; Rh +
CRL-2238™	SNU-423	liver		grade III/IV, pleomorphic hepatocellular carcinoma	Homo sapiens	40 years	Asian	Blood Type B; Rh +
CRL-2234™	SNU-449	liver		grade II-III/IV, hepatocellular carcinoma	Homo sapiens	52 years	Asian	
CRL-2236™	SNU-475	liver		grade II-IV/V, hepatocellular carcinoma	Homo sapiens	43 years	Asian	Blood Type AB; Rh +
CRL-2237™	SNU-387	liver		grade IV/V, pleomorphic hepatocellular carcinoma	Homo sapiens	41 years	Asian	Blood Type O; Rh +
CRL-7549™	Hs 817.T	liver		hepatic ductal carcinoma	unknown, either human or mouse			
CRL-2117™	LMH	liver		hepatocellular carcinoma	Gallus gallus			
CRL-2118™	LMH/2A	liver		hepatocellular carcinoma	Gallus gallus			

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CRL-10741™	"C3A [HepG2/ C3A, derivative of Hep G2 (ATCC HB-8065)]"	liver		hepatocellular carcinoma	Homo sapiens	15 years adolescent	Caucasian	alpha-fetoprotein (alpha fetoprotein); albumin; alpha2 macroglobulin (alpha-2-macroglobulin); alpha1 antitrypsin (alpha-1-antitrypsin); transferrin; alpha1 antichymotrypsin; (alpha-1-antichymotrypsin); haptoglobin; ceruloplasmin; plasminogen; complement (C4); C3 activator; fibrinogen; alpha1 acid glycoprotein (alpha-1 acid glycoprotein); alpha2 HS glycoprotein (alpha-2-HS-glycoprotein); beta lipoprotein (beta-lipoprotein); retinol binding protein (retinol-binding protein)
CRL-11997™	HEP G2/2.2.1	liver		hepatocellular carcinoma	Homo sapiens	15 years	Caucasian	
CRL-2233™	SNU-398	liver		hepatocellular carcinoma	Homo sapiens	42 years	Asian	Blood Type O; Rh +
HB-8064™	"Hep 3B2.1-7 [Hep 3B, Hep-3B, Hep3B]"	liver		hepatocellular carcinoma	Homo sapiens	8 years juvenile	Black	"alpha fetoprotein (alpha-fetoprotein); hepatitis B surface antigen (HBsAg); albumin; alpha2 macroglobulin (alpha-2-macroglobulin); alpha1 antitrypsin (alpha-1-antitrypsin); transferrin; alpha1 antichymotrypsin (alpha-1-antichymotrypsin); haptoglobin; ceruloplasmin; plasminogen; complement (C3, C4); C3 activator; fibrinogen; alpha1 acid glycoprotein (alpha-1 acid glycoprotein); alpha2 HS glycoprotein (alpha-2-HS-glycoprotein); beta lipoprotein (beta-lipoprotein); retinol binding protein (retinol)"
HB-8065™	Hep G2 [HEPG2]	liver		hepatocellular carcinoma	Homo sapiens	9 years juvenile	Black	"alpha fetoprotein (alpha-fetoprotein); hepatitis B surface antigen (HBsAg); albumin; alpha2 macroglobulin (alpha-2-macroglobulin); alpha1 antitrypsin (alpha-1-antitrypsin); transferrin; alpha1 antichymotrypsin (alpha-1-antichymotrypsin); haptoglobin; ceruloplasmin; plasminogen; complement (C3, C4); C3 activator; fibrinogen; alpha1 acid glycoprotein (alpha-1 acid glycoprotein); alpha2 HS glycoprotein (alpha-2-HS-glycoprotein); beta lipoprotein (beta-lipoprotein); retinol binding protein (retinol)"
CRL-2406™	PLHC-1	liver	hepatocyte	hepatocellular carcinoma	Pan troglodytes			cytochrome P450 (CYP)
HB-8065.1™	Hep G2/SF	liver		hepatocellular carcinoma	Homo sapiens			
CRL-8024™	PLC/PRF/5	liver	Alexander cells	hepatoma	Homo sapiens			hepatitis virus B surface antigen (HBsAg)
CRL-2082™	WCH-17	liver		hepatoma	Marmota monax	adult		
CRL-1830™	Hepa 1-6	liver		hepatoma	Mus musculus			albumin, alpha fetoprotein (AFP, alpha-fetoprotein); albumin; alpha 1 antitrypsin (alpha-1-antitrypsin); amylase
CRL-2026™	Hepa-1c1c7	liver		hepatoma	Mus musculus			cytochrome P450IA1
CRL-2217™	BpRc1	liver		hepatoma	Mus musculus			cytochrome P450IA1
CRL-2218™	tao BpRc1	liver		hepatoma	Mus musculus			cytochrome P450IA1
CRL-2710™	c12 (B15ECiii2)	liver	epithelial	hepatoma	Mus musculus			
CRL-2711™	c37 (B7IFi1)	liver	epithelial	hepatoma	Mus musculus			
CRL-2712™	vT{2}	liver	epithelial	hepatoma	Mus musculus			
CRL-2716™	c1 (B6NLxv1c2)	liver		hepatoma	Mus musculus			
CRL-2717™	c4 (B13NBii1)	liver	epithelial	hepatoma	Mus musculus			
CCL-144™	MH1C1	liver		hepatoma	Rattus norvegicus			rat serum albumin; complement components (especially C9)
CRL-1548™	H-4-II-E	liver		hepatoma	Rattus norvegicus			
CRL-1578™	H4TG	liver		hepatoma	Rattus norvegicus			
CRL-1600™	H4-II-E-C3	liver		hepatoma	Rattus norvegicus			tyrosine aminotransferase; albumin; transferrin; prothrombin

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CRL-1710™	RTH-149	liver		hepatoma	Odocoileus hemionus hemionus			
CRL-1601™	McA-RH7777	liver		hepatoma; Morris hepatoma 7777	Rattus norvegicus			alpha-fetoprotein (AFP, alpha fetoprotein)
CRL-1602™	McA-RH8994	liver		hepatoma; Morris hepatoma 8994	Rattus norvegicus			alpha-fetoprotein (AFP); alpha fetoprotein
CRL-1603™	N1-S1 Fudr	liver		hepatoma; Novikoff hepatoma	Rattus norvegicus			
TIB-164™	14.8	spleen, liver	hybridoma: B lymphocyte	Lymphoma	Rattus norvegicus			immunoglobulin; monoclonal antibody; against mouse B cell (B lymphocyte) precursors (CD45RA), The epitope recognized requires expression of exon A.
CRL-2254™	AML12	liver	hepatocyte	normal	Mus musculus	3 months		albumin; human transforming growth factor alpha (TGF alpha); mouse TGF alpha. Expression of liver specific proteins decreases with time in culture, but is reactivated by growing the cells in serum free medium.
CRL-5892™	NCI-H1755 [H1755]	lung: liver		stage 4, adenocarcinoma; non-small cell lung cancer	Homo sapiens	65 years	Caucasian	
CRL-5978™	NCI-H735 [H735]	lung: liver		stage E, carcinoma; small cell lung cancer	Homo sapiens	58 years	Caucasian	
CRL-2706™	THLE-2	liver/left lobe		"These immortalized human liver cells constitute an in vitro model for pharmacotoxicological studies and for the investigation of etiology and pathogenesis of human hepatocellular carcinoma."	Homo sapiens	adult		
CRL-2643™	ZFL [ZF-L]	liver			Danio rerio	adult		
HB-12346™	AC133.1	Lymph node, liver, bone, Peripheral blood, Blood, Bone marrow	hybridoma: lymphoblast B lymphocyte		Mus musculus			immunoglobulin; monoclonal antibody; against a subset of human CD34 antigens
CRL-11233™	THLE-3	liver/left lobe			Homo sapiens	adult		The cells express cytokeratin 18 and albumin in early passage, whereas higher-passage cells in logarithmic-phase growth also express cytokeratin 19.
CCL-9.1™	"NCTC clone 1469 [derivative of NCTC 721]"	liver			Mus musculus	newborn		H-2k
CRL-1638™	NMuLi	liver			Mus musculus	weanling		
CRL-1995™	H2.35	liver	hepatocyte		Mus musculus	6 weeks		
CRL-2390™	FL83B	liver	hepatocyte		Mus musculus	"15 to 17 days gestation"		cholesterol; glycogen
CRL-6447™	NMu3Li	liver			Mus musculus			
TIB-73™	BNL CL.2	liver			Mus musculus	embryo		
TIB-74™	BNL SV A.8	liver			Mus musculus	embryo		
TIB-75™	BNL 1ME A.7R.1	liver			Mus musculus	embryo		

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TIB-76™	BNL 1NG A.2	liver			Mus musculus	embryo		
CRL-6194™	OHH1.Li	liver			Odocoileus hemionus hemionus	fawn		
CRL-2301™	SOB-15	liver	epithelial		Odocoileus hemionus hemionus			
CRL-1442™	BRL 3A	liver	fibroblast		Rattus norvegicus			somatomedin like multiplication stimulating activity (MSA)
CRL-2452™	SI/SI4	liver/stroma	Mast Cell		Mus musculus	embryo		
CRL-2453™	SI/SI4 hSCF220	liver/stroma	Mast Cell		Mus musculus	embryo		
CRL-2454™	SI/SI4 hSCF248	liver/stroma	Mast Cell		Mus musculus	embryo		stem cell factor (SCF)
CRL-10998™	L.N. 4159	liver			Mus musculus			temperature sensitive T antigen
HB-34™	15-79-2	liver	hybridoma: pre-B lymphoblast		Mus musculus	fetus		immunoglobulin; mu heavy chain (not secreted)
HB-8770™	FHCR-1- 2075/FH5 [FH5]	liver, spleen	hybridoma: B lymphocyte		Mus musculus			immunoglobulin; monoclonal antibody; against trifucosylated type 2 chain glycolipids
CRL-6530™	22FLi	liver			Zalophus californianus			

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