



Cat No: LVC1501 - Liver cancer tissue array

Lot#	Cores	Size	Cut	Format	QA/QC	Pantomics, Inc.	
LVC150101	150	1.1mm	4um	10X15	H&E, IHC anti-Cytokeratin		

Recommended applications: For Research use only. RNA or protein liver cancer/non-tumor tissue profiling using IHC or ISH; Antibody characterization.

Description: Liver cancer tissue array, 150 cores including 75 cases of uninvolved and cancerous tissues of the liver in duplicates. All the tissues were from surgical resection. They were fixed in 10% neutral buffered formalin for 24 hours and processed using identical SOPs. Sections were picked onto Superfrost Plus or APES coated Superfrost slides. They all have a guaranteed six months' shelf-life at 4C from the date of shipment. Each slide has >95% tissue core retention.

Array position	Age	Sex	Anatomic site	Histology	Grade	Stage (TNM)
A1,B1	52	M	Liver	Normal		
A2,B2	42	M	Liver	Normal		
A3,B3	65	M	Liver	Viral hepatitis related cirrhosis		
A4,B4	56	F	Liver	Viral hepatitis related cirrhosis		
A5,B5	58	M	Liver	Viral hepatitis related cirrhosis		
A6,B6	48	M	Liver	Hepatocellular carcinoma	II~III	T3NxM0
A7,B7	72	F	Liver	Bile duct carcinoma	I~II	T3N0M0
A8,B8	45	F	Liver	Bile duct carcinoma	II	T3N1M1
A9,B9	35	F	Liver	Hepatocellular carcinoma	III	T3N0M0
A10,B10	57	M	Liver	Hepatocellular carcinoma	III	T3N0M0
A11,B11	47	M	Liver	Hepatocellular carcinoma	II~III	T3N0M0
A12,B12	31	F	Liver	Hepatocellular carcinoma	II~III	T3N0M0
A13,B13	49	M	Liver	Hepatocellular carcinoma	II~III	T3N0M0
A14,B14	54	M	Liver	Hepatocellular carcinoma	III	T4N1M0
A15,B15	33	M	Liver	Hepatocellular carcinoma	II~III	T3N0M0
C1,D1	40	M	Liver	Hepatocellular carcinoma	I~II	T3N0M0
C2,D2	55	F	Liver	Hepatocellular carcinoma	II	T3N0M0
C3,D3	50	M	Liver	Hepatocellular carcinoma	II~III	T3N0M0
C4,D4	47	M	Liver	Hepatocellular carcinoma	II~III	T3N0M0
C5,D5	79	M	Liver	Hepatocellular carcinoma	II~III	T3N0M0
C6,D6	44	M	Liver	Hepatocellular carcinoma	II~III	T3N0M0
C7,D7	45	M	Liver	Hepatocellular carcinoma	III	T3N0M0
C8,D8	48	M	Liver	Clear cell carcinoma	III	T3N0M0
C9,D9	59	M	Liver	Hepatocellular carcinoma	II~III	T4N0M0
C10,D10	35	F	Liver	Hepatocellular carcinoma	II	T3N0M0
C11,D11	42	M	Liver	Hepatocellular carcinoma	II	T3N0M0
C12,D12	57	F	Liver	Hepatocellular carcinoma	II~III	T4N1M1
C13,D13	61	M	Liver	Hepatocellular carcinoma	II~III	T4N0M0
C14,D14	44	M	Liver	Hepatocellular carcinoma	II	T3N0M0
C15,D15	37	F	Liver	Hepatocellular carcinoma	II	T4N0M0
E1,F1	35	M	Liver	Hepatocellular carcinoma	II	T3N0M0
E2,F2	35	F	Liver	Hepatocellular carcinoma	II	T3N0M0
E3,F3	43	F	Liver	Hepatocellular carcinoma	II	T2N0M0
E4,F4	38	M	Liver	Hepatocellular carcinoma	II	T2N0M0
E5,F5	30	M	Liver	Hepatocellular carcinoma	II	T2N0M0
E6,F6	36	M	Liver	Hepatocellular carcinoma	I	T3N0M0



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E7,F7	39	M	Liver	Hepatocellular carcinoma	II	T2NOMO
E8,F8	77	M	Liver	Hepatocellular carcinoma	II	T2NOMO
E9,F9	29	M	Liver	Hepatocellular carcinoma	I	T2NOMO
E10,F10	77	M	Liver	Hepatocellular carcinoma	II~III	T2NOMO
E11,F11	60	F	Liver	Leiomyosarcoma?		
E12,F12	41	M	Liver	Hepatocellular carcinoma	II~III	T2NOMO
E13,F13	39	M	Liver	Clear cell carcinoma	II	T2NOMO
E14,F14	38	F	Liver	Hepatocellular carcinoma	II~III	T2NOMO
E15,F15	69	M	Liver	Hepatocellular carcinoma	II	T3NOMO
G1,H1	38	M	Liver	Hepatocellular carcinoma	II	T3NOMO
G2,H2	76	M	Liver	Hepatocellular carcinoma	II	T3NOMO
G3,H3	38	M	Liver	Hepatocellular carcinoma	I~II	T3NOMO
G4,H4	30	M	Liver	Bile duct carcinoma	II	T2NOMO
G5,H5	1.5	M	Liver	Hepatoblastoma		
G6,H6	52	M	Liver	Hepatocellular carcinoma	I~II	T3NOMO
G7,H7	56	M	Liver	Hepatocellular carcinoma	II	T4NOMO
G8,H8	56	M	Liver	Hepatocellular carcinoma	II	T4N1MO
G9,H9	49	M	Liver	Hepatocellular carcinoma	II	T4NOMO
G10,H10	57	M	Liver	Hepatocellular carcinoma	II~III	T4N1MO
G11,H11	40	F	Liver	Hepatocellular carcinoma	II	T2NOMO
G12,H12	61	M	Liver	Hepatocellular carcinoma	II~III	T4N1M1
G13,H13	73	F	Liver	Clear cell carcinoma	II	T3NOMO
G14,H14	41	M	Liver	Hepatocellular carcinoma	II	T2NOMO
G15,H15	58	F	Liver	Hepatocellular carcinoma	III	T2NOMO
I1,J1	43	F	Liver	Hepatocellular carcinoma	II	T2NOMO
I2,J2	67	M	Liver	Hepatocellular carcinoma	II	T2NOMO
I3,J3	50	M	Liver	Hepatocellular carcinoma	I	T2NOMO
I4,J4	52	F	Liver	Hepatocellular carcinoma	II	T2NOMO
I5,J5	54	M	Liver	Hepatocellular carcinoma	II	T2NOMO
I6,J6	40	M	Liver	Hepatocellular carcinoma	II	T2NOMO
I7,J7	56	M	Liver	Hepatocellular carcinoma	II	T3NOMO
I8,J8	31	M	Liver	Hepatocellular carcinoma	II	T2NOMO
I9,J9	58	M	Liver	Hepatocellular carcinoma	II	T2NOMO
I10,J10	49	M	Liver	Hepatocellular carcinoma	II	T2NOMO
I11,J11	48	M	Liver	Hepatocellular carcinoma	I	T2NOMO
I12,J12	35	M	Liver	Hepatocellular carcinoma	III	T2NOMO
I13,J13	44	M	Liver	Hepatocellular carcinoma	II	T2NOMO
I14,J14	45	F	Liver	Fibrosarcoma?		
I15,J15	53	M	Liver	Hepatocellular carcinoma	II	T3NOMO

Notes: Bake at 60C for 30 minutes before use.

Certified by: Fancai Li, M.D.



TNM Classification : Liver carcinoma

T- Primary tumor

TX - Primary tumor cannot be assessed

TO - No evidence of primary tumor

T1 - Solitary tumor without vascular invasion

T2 - Solitary tumor with vascular invasion or multiple tumors none larger than 5cm

T3 - Multiple tumors more than 5 cm, or tumor involving a major branch of the portal or hepatic vein(s)

T4 - Tumor(s) with direct invasion of adjacent organs other than the gallbladder or with perforation of visceral peritoneum

N - Regional lymph nodes

NX - Regional lymph nodes cannot be assessed

NO - No regional lymph node metastasis

N1 - Regional lymph node metastasis

M - Distant metastasis

MX - Distant metastasis cannot be assessed

MO - No distant metastasis

M1 - Distant metastasis