



Cat No: LVC1503 - Liver cancer tissue array

Lot#	Cores	Size	Cut	Format	QA/QC	Pantomics, Inc.	
LVC150301	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, non-overlapping with LVC1501 or LVC1502, 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	67	F	Liver	Normal		
A2,B2	68	M	Liver	Normal		
A3,B3	36	M	Liver	Viral hepatitis related cirrhosis		
A4,B4	40	M	Liver	Viral hepatitis related cirrhosis		
A5,B5	43	M	Liver	Viral hepatitis related cirrhosis		
A6,B6	54	F	Liver	Hepatocellular carcinoma	II	T2N0M0
A7,B7	42	M	Liver	Hepatocellular carcinoma	I	T1N0M0
A8,B8	60	F	Liver	Bile duct carcinoma		T2N0M0
A9,B9	63	F	Liver	Bile duct carcinoma		T1N0M0
A10,B10	35	M	Liver	Hepatocellular carcinoma	II	T2N0M0
A11,B11	43	M	Liver	Hepatocellular carcinoma	II	T2N0M0
A12,B12	47	M	Liver	Hepatocellular carcinoma	I~II	T2N0M0
A13,B13	47	M	Liver	Mixed hepatocellular and bile duct carcinoma		T2N0M0
A14,B14	46	M	Liver	Hepatocellular carcinoma	II~III	T1N0M0
A15,B15	60	M	Liver	Hepatocellular carcinoma	I	T1N0M0
C1,D1	66	M	Liver	Mixed hepatocellular and bile duct carcinoma		T2N0M0
C2,D2	47	M	Liver	Hepatocellular carcinoma	I~II	T1N0M0
C3,D3	55	M	Liver	Hepatocellular carcinoma	II~III	T2N0M0
C4,D4	50	M	Liver	Hepatocellular carcinoma	I~II	T1N0M0
C5,D5	50	M	Liver	Hepatocellular carcinoma	I~II	T2N0M0
C6,D6	56	M	Liver	Hepatocellular carcinoma	I	T3N0M0
C7,D7	57	F	Liver	Cholangiocarcinoma		T2N0M0
C8,D8	53	M	Liver	Hepatocellular carcinoma	I~II	T2N0M0
C9,D9	61	F	Liver	Mixed hepatocellular and bile duct carcinoma		T3N0M0
C10,D10	31	F	Liver	Hepatocellular carcinoma	II~III	T3N0M0
C11,D11	38	M	Liver	Hepatocellular carcinoma	II	T2N0M0
C12,D12	70	M	Liver	Hepatocellular carcinoma	II	T2N0M0
C13,D13	59	M	Liver	Hepatocellular carcinoma	I~II	T3N0M0
C14,D14	37	F	Liver	Hepatocellular carcinoma	II	T2N0M0
C15,D15	44	M	Liver	Hepatocellular carcinoma	II	T2N0M0
E1,F1	19	M	Liver	Hepatocellular carcinoma	II	T2N0M0
E2,F2	44	M	Liver	Clear cell carcinoma		T2N0M0



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E3,F3	41	M	Liver	Hepatocellular carcinoma	II	T2NOMO
E4,F4	54	M	Liver	Hepatocellular carcinoma	II	T2NOMO
E5,F5	35	M	Liver	Hepatocellular carcinoma	I	T2NOMO
E6,F6	40	M	Liver	Hepatocellular carcinoma	I	T2NOMO
E7,F7	37	M	Liver	Hepatocellular carcinoma	I	T1NOMO
E8,F8	40	M	Liver	Hepatocellular carcinoma	II	T2NOMO
E9,F9	30	M	Liver	Hepatocellular carcinoma	II~III	T3NOMO
E10,F10	49	M	Liver	Hepatocellular carcinoma	II	T2NOMO
E11,F11	36	M	Liver	Hepatocellular carcinoma	I~II	T1NOMO
E12,F12	30	M	Liver	Hepatocellular carcinoma	II	T3NOMO
E13,F13	47	M	Liver	Hepatocellular carcinoma	I	T1NOMO
E14,F14	44	M	Liver	Hepatocellular carcinoma	II	T2NOMO
E15,F15	65	M	Liver	Hepatocellular carcinoma	II	T2NOMO
G1,H1	25	M	Liver	Hepatocellular carcinoma	III	T2NOMO
G2,H2	42	M	Liver	Hepatocellular carcinoma	I~II	T1NOMO
G3,H3	28	M	Liver	Hepatocellular carcinoma	I~II	T1NOMO
G4,H4	50	M	Liver	Hepatocellular carcinoma	II	T4NOMO
G5,H5	52	M	Liver	Hepatocellular carcinoma	II~III	T2NOMO
G6,H6	37	M	Liver	Hepatocellular carcinoma	II	T2NOMO
G7,H7	55	M	Liver	Hepatocellular carcinoma	III	T3NOMO
G8,H8	65	M	Liver	Hepatocellular carcinoma	I~II	T3NOMO
G9,H9	49	F	Liver	Hepatocellular carcinoma	II	T2NOMO
G10,H10	70	M	Liver	Hepatocellular carcinoma	II~III	T1NOMO
G11,H11	43	M	Liver	Hepatocellular carcinoma	II~III	T2NOMO
G12,H12	32	M	Liver	Hepatocellular carcinoma	II	T2NOMO
G13,H13	64	M	Liver	Hepatocellular carcinoma	I~II	T2NOMO
G14,H14	43	M	Liver	Hepatocellular carcinoma	I	T1NOMO
G15,H15	35	M	Liver	Hepatocellular carcinoma	II	T3NOMO
I1,J1	41	M	Liver	Hepatocellular carcinoma	II	T2NOMO
I2,J2	32	M	Liver	Hepatocellular carcinoma	II~III	T2NOMO
I3,J3	53	M	Liver	Hepatocellular carcinoma	I	T1NOMO
I4,J4	63	F	Liver	Hepatocellular carcinoma	III	T2NOMO
I5,J5	42	F	Liver	Hepatocellular carcinoma	II	T2NOMO
I6,J6	68	M	Liver	Hepatocellular carcinoma	I	T2NOMO
I7,J7	42	M	Liver	Hepatocellular carcinoma	II	T1NOMO
I8,J8	58	M	Liver	Hepatocellular carcinoma	II~III	T2NOMO
I9,J9	58	F	Liver	Bile duct carcinoma		T2NOMO
I10,J10	59	M	Liver	Hepatocellular carcinoma	II	T1NOMO
I11,J11	34	M	Liver	Hepatocellular carcinoma	II~III	T1NOMO
I12,J12	30	M	Liver	Hepatocellular carcinoma	II~III	T3N1MO
I13,J13	49	F	Liver	Hepatocellular carcinoma	I~II	T1NOMO
I14,J14	43	M	Liver	Hepatocellular carcinoma	II	T3NOMO
I15,J15	63	M	Liver	Hepatocellular carcinoma	II	T3NOMO

Notes: Bake at 60C for 30 minutes before use. If antigen retrieving is needed, it is always a good idea to start with a protocol with weak to mild strength.

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