



Cat No: **LVC1502 - Liver cancer tissue array**

Lot#	Cores	Size	Cut	Format	QA/QC	
LVC150201	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, 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	18	M	Liver	Normal		
A2,B2	43	M	Liver	Normal		
A3,B3	56	F	Liver	Viral hepatitis related cirrhosis		
A4,B4	45	M	Liver	Viral hepatitis related cirrhosis		
A5,B5	52	M	Liver	Viral hepatitis related cirrhosis		
A6,B6	59	M	Liver	Hepatocellular carcinoma	II	T3N0M0
A7,B7	33	M	Liver	Bile duct carcinoma	II ~ III	T4N1M0
A8,B8	30	M	Liver	Hepatocellular carcinoma	II	T2N0M0
A9,B9	37	M	Liver	Hepatocellular carcinoma	II ~ III	T2N0M0
A10,B10	41	M	Liver	Hepatocellular carcinoma	II	T4N0M0
A11,B11	50	M	Liver	Hepatocellular carcinoma	II	T2N0M0
A12,B12	53	M	Liver	Hepatocellular carcinoma	II	T2N0M0
A13,B13	42	M	Liver	Clear cell carcinoma	II	T2N0M0
A14,B14	66	M	Liver	Hepatocellular carcinoma	I ~ II	T3N1M0
A15,B15	51	M	Liver	Hepatocellular carcinoma	II	T2N0M0
C1,D1	21	F	Liver	Hepatocellular carcinoma	I ~ II	T2N0M0
C2,D2	53	M	Liver	Hepatocellular carcinoma	II	T2N0M0
C3,D3	66	M	Liver	Hepatocellular carcinoma	I	T2N0M0
C4,D4	56	M	Liver	Hepatocellular carcinoma	II	T2N0M0
C5,D5	30	M	Liver	Hepatocellular carcinoma	I ~ II	T2N0M0
C6,D6	32	M	Liver	Clear cell carcinoma	II	T3N0M0
C7,D7	45	M	Liver	Hepatocellular carcinoma	II	T2N0M0
C8,D8	78	M	Liver	Hepatocellular carcinoma	II	T3N0M0
C9,D9	37	M	Liver	Hepatocellular carcinoma	II ~ III	T2N0M0
C10,D10	69	F	Liver	Bile duct carcinoma	II	T4N1M0
C11,D11	38	M	Liver	Hepatocellular carcinoma	II ~ III	T2N0M0
C12,D12	53	M	Liver	Hepatocellular carcinoma	II ~ III	T2N0M0
C13,D13	60	M	Liver	Clear cell carcinoma	II	T2N0M0
C14,D14	53	M	Liver	Hepatocellular carcinoma	III	T2N0M0
C15,D15	59	M	Liver	Hepatocellular carcinoma	I ~ II	T2N0M0
E1,F1	38	M	Liver	Hepatocellular carcinoma	II ~ III	T2N0M0
E2,F2	60	M	Liver	Hepatocellular carcinoma	II ~ III	T3N0M0
E3,F3	68	M	Liver	Hepatocellular carcinoma	II	T3N0Mx
E4,F4	51	M	Liver	Hepatocellular carcinoma	II	T3N0M0
E5,F5	59	M	Liver	Hepatocellular carcinoma	II ~ III	T4N0M0



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E6,F6	60	F	Liver	Colon Metastatic cancer		
E7,F7	43	M	Liver	Hepatocellular carcinoma	II ~ III	T3NOM0
E8,F8	36	M	Liver	Hepatocellular carcinoma	I ~ II	T2NOM0
E9,F9	53	M	Liver	Hepatocellular carcinoma	II ~ III	T2NOM0
E10,F10	50	M	Liver	Hepatocellular carcinoma	I ~ II	T2NOM0
E11,F11	37	M	Liver	Hepatocellular carcinoma	II ~ III	T3NOM0
E12,F12	47	M	Liver	Hepatocellular carcinoma	III	T4NOM0
E13,F13	40	M	Liver	Hepatocellular carcinoma	II	T3NOM0
E14,F14	54	F	Liver	Bile duct carcinoma	II ~ III	T2NOM0
E15,F15	42	M	Liver	Hepatocellular carcinoma	II ~ III	T3NOM0
G1,H1	48	F	Liver	Hepatocellular carcinoma	II ~ III	T2NOM0
G2,H2	40	F	Liver	Clear cell carcinoma	II	T3NOM0
G3,H3	37	M	Liver	Hepatocellular carcinoma	II ~ III	T2NOM0
G4,H4	60	M	Liver	Clear cell carcinoma	II ~ III	T3NOM0
G5,H5	36	M	Liver	Hepatocellular carcinoma	II	T4NOM0
G6,H6	47	M	Liver	Hepatocellular carcinoma	II	T2NOM0
G7,H7	75	M	Liver	Clear cell carcinoma	II	T3NOM0
G8,H8	40	M	Liver	Hepatocellular carcinoma	II ~ III	T3NOM0
G9,H9	54	M	Liver	Clear cell carcinoma	II	T4N1M0
G10,H10	32	M	Liver	Hepatocellular carcinoma	II	T2NOM0
G11,H11	44	M	Liver	Hepatocellular carcinoma	II	T2NOM0
G12,H12	43	M	Liver	Hepatocellular carcinoma	I ~ II	T2NOM0
G13,H13	39	F	Liver	Clear cell carcinoma	II	T2NOM0
G14,H14	44	M	Liver	Hepatocellular carcinoma	I ~ II	T2NOM0
G15,H15	50	F	Liver	Bile duct carcinoma	II ~ III	T3N1M0
I1,J1	45	F	Liver	Hepatocellular carcinoma	I ~ II	T2NOM0
I2,J2	40	M	Liver	Hepatocellular carcinoma	II	T2NOM0
I3,J3	65	M	Liver	Hepatocellular carcinoma	II	T2NOM0
I4,J4	41	M	Liver	Hepatocellular carcinoma	I ~ II	T2NOM0
I5,J5	54	M	Liver	Hepatocellular carcinoma	I	T2NOM0
I6,J6	60	M	Liver	Hepatocellular carcinoma	II ~ III	T4NOM0
I7,J7	50	F	Liver	Hepatocellular carcinoma	II ~ III	T3NOM0
I8,J8	63	M	Liver	Hepatocellular carcinoma	I ~ II	T2NOM0
I9,J9	31	M	Liver	Hepatocellular carcinoma	I ~ II	T2NOM0
I10,J10	57	M	Liver	Hepatocellular carcinoma	I ~ II	T2NOM0
I11,J11	43	M	Liver	Hepatocellular carcinoma	I	T3NOM0
I12,J12	24	M	Liver	Hepatocellular carcinoma	II	T2NOM0
I13,J13	50	M	Liver	Hepatocellular carcinoma	II	T4N1M0
I14,J14	44	M	Liver	Hepatocellular carcinoma	III	T3NOM0
I15,J15	23	M	Liver	Hepatocellular carcinoma	I ~ II	T2NOM0

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