



Cat No: **LVC961 - Liver cancer tissue array**

Lot#	Cores	Size	Cut	Format	QA/QC		
LVC96101	96	1.5mm	4um	8X12	H&E, anti-Vimentin/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, 96 cores including 36 cases (purple/blue) of liver cancers and 12 cases of normal, hepatitis and cirrhosis liver tissues (pink) 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)	Image
A1,B1	40	M	Liver	Normal			
A2,B2	68	M	Liver	Normal			
A3,B3	37	F	Liver	Normal			
A4,B4	56	M	Liver	Cellular swelling			
A5,B5	51	M	Liver	Cellular swelling			
A6,B6	59	M	Liver	Chronic viral hepatitis			
A7,B7	50	M	Liver	Viral subfulminant hepatitis			
A8,B8	52	M	Liver	Viral subfulminant hepatitis			
A9,B9	56	F	Liver	Viral hepatitis related cirrhosis			
A10,B10	57	M	Liver	Viral hepatitis related cirrhosis			
A11,B11	29	M	Liver	Viral hepatitis related cirrhosis			
A12,B12	37	M	Liver	Hemangioma			
C1,D1	40	M	Liver	Hepatocellular carcinoma	I	T2N0M0	
C2,D2	67	M	Liver	Hepatocellular carcinoma	I	T2N0M0	
C3,D3	26	M	Liver	Hepatocellular carcinoma	I	T2N0M0	
C4,D4	66	M	Liver	Hepatocellular carcinoma	I	T2N0M0	
C5,D5	78	M	Liver	Hepatocellular carcinoma	I	T2N0M0	
C6,D6	65	M	Liver	Hepatocellular carcinoma	I	T2N0M0	
C7,D7	43	M	Liver	Hepatocellular carcinoma	II	T2N0M0	
C8,D8	68	M	Liver	Hepatocellular carcinoma	II	T2N0M0	
C9,D9	35	M	Liver	Hepatocellular carcinoma	II	T3N0M0	
C10,D10	29	M	Liver	Hepatocellular carcinoma	II	T3N0M0	
C11,D11	40	M	Liver	Hepatocellular carcinoma	II	T2N0M0	
C12,D12	55	M	Liver	Hepatocellular carcinoma	II	T2N0M0	
E1,F1	56	M	Liver	Hepatocellular carcinoma	II	T3N1M0	
E2,F2	60	F	Liver	Hepatocellular carcinoma	II	T2N0M0	
E3,F3	56	M	Liver	Hepatocellular carcinoma	II	T2N0M0	
E4,F4	45	M	Liver	Hepatocellular carcinoma	II	T2N0M0	
E5,F5	32	F	Liver	Hepatocellular carcinoma	II	T2N0M0	
E6,F6	47	M	Liver	Hepatocellular carcinoma	II	T2N0M0	
E7,F7	31	M	Liver	Hepatocellular carcinoma	III	T2N0M0	



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E8,F8	53	M	Liver	Hepatocellular carcinoma	III	T2N0M0	
E9,F9	31	M	Liver	Hepatocellular carcinoma	III	T2N0M0	
E10,F10	57	M	Liver	Hepatocellular carcinoma	III	T2N0M0	
E11,F11	37	M	Liver	Hepatocellular carcinoma	III	T2N0M0	
E12,F12	38	M	Liver	Hepatocellular carcinoma	III	T2N0M0	
G1,H1	55	M	Liver	Hepatocellular carcinoma	III	T1N0M0	
G2,H2	34	M	Liver	Clear cell carcinoma		T2N0M0	
G3,H3	32	M	Liver	Clear cell carcinoma		T3N0M0	
G4,H4	65	M	Liver	Clear cell carcinoma		T2N0M0	
G5,H5	70	F	Liver	Bile duct carcinoma		T2N0M0	
G6,H6	39	M	Liver	Bile duct carcinoma		T2N0M0	
G7,H7	69	F	Liver	Bile duct carcinoma		T2N0M0	
G8,H8	51	M	Liver	Bile duct carcinoma		T2N0M0	
G9,H9	57	M	Liver	Metastatic adenocarcinoma		T3N0M0	
G10,H10	57	M	Liver	Metastatic adenocarcinoma			
G11,H11	42	M	Liver	Metastatic adenocarcinoma			
G12,H12	43	M	Liver	Undifferentiated sarcoma			

**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