



Cat No: **LVC483 - Liver cancer/adjacent paired tissue array, set 3**

Lot#	Cores	Size	Cut	Format	QA/QC	Pantomics, Inc.	
LVC48301	48	2mm	4um	6X8	H&E, IHC anti-Cytokeratin		

Recommended applications: For research use only. Designed for liver normal vs cancer RNA or protein tissue profiling using IHC or ISH. Duplicated tumor tissues from each case are arrayed to minimize heterogeneity.

Description: Liver cancer tissue array, set 3, 16 cases, 48 cores, non-overlapping with LVC481 or LVC482, one normal paired with two tumor tissue cores from each patient with grading and TNM staging data.

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 can be stored for use at 4C for up to six months from the date of shipment. **There may be 5 to 10% of tissue core loss.**

Array position	Sex	Age	Anatomic site	Pathology	Nature	Grade	Stage
A01	M	58	Liver	Hepatocellular carcinoma	Malignant	I	T2N0M0
A02	M	53	Liver	Hepatocellular carcinoma	Malignant	I	T2N0M0
A03	M	60	Liver	Hepatocellular carcinoma	Malignant	I	T3N0M0
A04	M	47	Liver	Hepatocellular carcinoma	Malignant	I	T3N0M0
A05	M	63	Liver	Hepatocellular carcinoma	Malignant	II	T3N0M0
A06	M	45	Liver	Hepatocellular carcinoma	Malignant	II	T3N0M0
A07	F	53	Liver	Hepatocellular carcinoma	Malignant	II	T3N0M0
A08	M	52	Liver	Hepatocellular carcinoma	Malignant	II	T2N0M0
B01	M	58	Liver	Hepatocellular carcinoma	Malignant	I	T2N0M0
B02	M	53	Liver	Hepatocellular carcinoma	Malignant	I	T2N0M0
B03	M	60	Liver	Hepatocellular carcinoma	Malignant	I	T3N0M0
B04	M	47	Liver	Hepatocellular carcinoma	Malignant	I	T3N0M0
B05	M	63	Liver	Hepatocellular carcinoma	Malignant	II	T3N0M0
B06	M	45	Liver	Hepatocellular carcinoma	Malignant	II	T3N0M0
B07	F	53	Liver	Hepatocellular carcinoma	Malignant	II	T3N0M0
B08	M	52	Liver	Hepatocellular carcinoma	Malignant	II	T2N0M0
C01	M	58	Liver	Uninvolved Liver tissue of A1, B1	Normal		
C02	M	53	Liver	Uninvolved Liver tissue of A2, B2	Normal		
C03	M	60	Liver	Uninvolved Liver tissue of A3, B3	Normal		
C04	M	47	Liver	Uninvolved Liver tissue of A4, B4	Normal		
C05	M	63	Liver	Uninvolved Liver tissue of A5, B5	Normal		
C06	M	45	Liver	Uninvolved Liver tissue of A6, B6	Normal		
C07	F	53	Liver	Uninvolved Liver tissue of A7, B7	Normal		
C08	M	52	Liver	Uninvolved Liver tissue of A8, B8	Normal		
D01	M	24	Liver	Hepatocellular carcinoma	Malignant	II	T3N0M0
D02	F	38	Liver	Hepatocellular carcinoma	Malignant	II	T3N0M0
D03	M	25	Liver	Hepatocellular carcinoma	Malignant	III	T3N0M0
D04	M	51	Liver	Hepatocellular carcinoma	Malignant	III	T3N0M0
D05	M	35	Liver	Hepatocellular carcinoma	Malignant	III	T3N0M0
D06	M	47	Liver	Hepatocellular carcinoma	Malignant	III	T2N0M0
D07	M	61	Liver	Hepatocellular carcinoma	Malignant	III	T3N0M0
D08	M	48	Liver	Hepatocellular carcinoma	Malignant	III	T3N0M0
E01	M	24	Liver	Hepatocellular carcinoma	Malignant	II	T3N0M0
E02	F	38	Liver	Hepatocellular carcinoma	Malignant	II	T3N0M0
E03	M	25	Liver	Hepatocellular carcinoma	Malignant	III	T3N0M0
E04	M	51	Liver	Hepatocellular carcinoma	Malignant	III	T3N0M0
E05	M	35	Liver	Hepatocellular carcinoma	Malignant	III	T3N0M0



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E06	M	47	Liver	Hepatocellular carcinoma	Malignant	III	T2N0M0
E07	M	61	Liver	Hepatocellular carcinoma	Malignant	III	T3N0M0
E08	M	48	Liver	Hepatocellular carcinoma	Malignant	III	T3N0M0
F01	M	24	Liver	Uninvolved Liver tissue of D1, E1	Normal		
F02	F	38	Liver	Uninvolved Liver tissue of D2, E2	Normal		
F03	M	25	Liver	Uninvolved Liver tissue of D3, E3	Normal		
F04	M	51	Liver	Uninvolved Liver tissue of D4, E4	Normal		
F05	M	35	Liver	Uninvolved Liver tissue of D5, E5	Normal		
F06	M	47	Liver	Uninvolved Liver tissue of D6, E6	Normal		
F07	M	61	Liver	Uninvolved Liver tissue of D7, E7	Normal		
F08	M	48	Liver	Uninvolved Liver tissue of D8, E8	Normal		

Notes: Bake at 60C for ~60 minutes before use. If antigen retrieving is needed, it is important to avoid **direct-boiling and high pH or high strength** antigen retrieving buffer. For availability of complimentary IHC data, please contact us at info@pantomics.com.

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