



Cat No: **LUC1501 - Lung cancer tissue array**

Lot#	Cores	Size	Cut	Format	QA/QC	Pantomics, Inc.	
LUC150101	150	1.1mm	4um	10X15	H&E, IHC anti-Cytokeratin		

Recommended applications: For Research use only. RNA or protein lung cancer/normal tissue profiling using IHC or ISH; Antibody characterization.

Description: Lung cancer tissue array, 150 cores including 75 cases of normal, inflammatory and common types of lung cancer 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	59	M	Lung	Normal		
A2,B2	58	M	Lung	Normal		
A3,B3	66	M	Lung	Normal		
A4,B4	58	M	Lung	Inflammatory		
A5,B5	64	M	Lung	Inflammatory		
A6,B6	69	M	Lung	Small cell carcinoma		T2N0M0
A7,B7	69	M	Lung	Squamous cell carcinoma	III	T2N0M0
A8,B8	67	M	Lung	Squamous cell carcinoma	III	T3N0M0
A9,B9	60	M	Lung	Squamous cell carcinoma	I~II	T2N1M0
A10,B10	69	M	Lung	Metastatic carcinoma		
A11,B11	70	M	Lung	Bronchioloalveolar carcinoma		T2N1M0
A12,B12	60	M	Lung	Small cell carcinoma		T2N2M0
A13,B13	40	F	Lung	Adenosquamous cell carcinoma	II~III	T2N2M0
A14,B14	48	M	Lung	Squamous cell carcinoma	III	T2N0M0
A15,B15	59	M	Lung	Adenomcarcinoma	II	T2N0M0
C1,D1	49	M	Lung	Adenomcarcinoma	II~III	T2N1M0
C2,D2	47	F	Lung	Adenomcarcinoma	I~II	T2N0M0
C3,D3	50	M	Lung	Small cell carcinoma		T2N2M0
C4,D4	51	M	Lung	Squamous cell carcinoma	I	T2N1M0
C5,D5	45	M	Lung	Bronchioloalveolar carcinoma		T2N0M0
C6,D6	55	F	Lung	Adenomcarcinoma	III	T1N0M0
C7,D7	53	M	Lung	Squamous cell carcinoma	II	T1N0M0
C8,D8	43	M	Lung	Squamous cell carcinoma	III	T2N1M0
C9,D9	74	M	Lung	Squamous cell carcinoma	III	T2N0M0
C10,D10	77	M	Lung	Squamous cell carcinoma	I~II	T2N0M0
C11,D11	61	M	Lung	Adenomcarcinoma	II	T2N0M0
C12,D12	65	M	Lung	Small cell carcinoma		T2N2M0
C13,D13		M	Lung	Squamous cell carcinoma	I~II	T2N0M0
C14,D14	67	M	Lung	Squamous cell carcinoma	II	T3N1M0
C15,D15	63	M	Lung	Squamous cell carcinoma	II	T2N1M0
E1,F1	55	M	Lung	Squamous cell carcinoma	III	T2N0M0
E2,F2	42	F	Lung	Adenomcarcinoma	II	T2N1M0



Advancing Biomedical Science Through Tissue Arrays

E3,F3	74	M	Lung	Adenomcarcinoma	II	T3N2MO
E4,F4	48	F	Lung	Adenosquamous cell carcinoma	II	T2NOMO
E5,F5	48	M	Lung	Adenomcarcinoma	II~III	T2NOMO
E6,F6	39	F	Lung	Squamous cell carcinoma	III	T2NOMO
E7,F7	47	M	Lung	Adenosquamous cell carcinoma	II	T2NOMO
E8,F8		F	Lung	Adenomcarcinoma	II	T2NOMO
E9,F9	54	M	Lung	Squamous cell carcinoma	III	T2NOMO
E10,F10	66	F	Lung	Papillary carcinoma	I~II	T2NOMO
E11,F11	55	M	Lung	Squamous cell carcinoma	III	T2NOMO
E12,F12	64	F	Lung	Squamous cell carcinoma	II	T2NOMO
E13,F13		M	Lung	Squamous cell carcinoma	II	T2NOMO
E14,F14	53	M	Lung	Adenomcarcinoma	III	T2NOMO
E15,F15	64	F	Lung	Adenosquamous cell carcinoma	II	T2NOMO
G1,H1	57	M	Lung	Squamous cell carcinoma	II	T2NOMO
G2,H2	59	M	Lung	Squamous cell carcinoma	II~III	T2NOMO
G3,H3	58	M	Lung	Squamous cell carcinoma	III	T2NOMO
G4,H4	66	M	Lung	Metastatic cancer		
G5,H5	58	M	Lung	Squamous cell carcinoma	III	T2N2MO
G6,H6	64	M	Lung	Squamous cell carcinoma	I	T2NOMO
G7,H7	69	M	Lung	Adenosquamous cell carcinoma	I~II	T2NOMO
G8,H8	69	M	Lung	Squamous cell carcinoma	II	T2NOMO
G9,H9	67	M	Lung	Adenomcarcinoma	II	T2NOMO
G10,H10	60	M	Lung	Adenomcarcinoma	II	T2NOMO
G11,H11	69	M	Lung	Squamous cell carcinoma	III	T2NOMO
G12,H12	70	M	Lung	Mucinous adenocarcinoma		T2NOMO
G13,H13	60	M	Lung	Small cell carcinoma		T2NOMO
G14,H14	40	F	Lung	Adenosquamous cell carcinoma	II	T2N1MO
G15,H15	48	M	Lung	Adenomcarcinoma	II	T2NOMO
I1,J1	59	M	Lung	Adenomcarcinoma	II	T2NOMO
I2,J2	49	M	Lung	Squamous cell carcinoma	I	T2NOMO
I3,J3	47	F	Lung	Adenomcarcinoma	II	T2NOMO
I4,J4	50	M	Lung	Carcinoid		T3N1MO
I5,J5	51	M	Lung	Adenomcarcinoma	II	T2NOMO
I6,J6	45	M	Lung	Papillary carcinoma		T2NOMO
I7,J7	55	F	Lung	Squamous cell carcinoma	III	T2N2MO
I8,J8	53	M	Lung	Squamous cell carcinoma	III	T2NOMO
I9,J9	43	M	Lung	Squamous cell carcinoma	III	T2NOMO
I10,J10	74	M	Lung	Squamous cell carcinoma	II	T2N2MO
I11,J11	77	M	Lung	Squamous cell carcinoma	I~II	T2NOMO
I12,J12	61	M	Lung	Squamous cell carcinoma	II	T2NOMO
I13,J13	65	M	Lung	Squamous cell carcinoma	II~III	T2NOMO
I14,J14		M	Lung	Adenosquamous cell carcinoma	II	T2NOMO
I15,J15	67	M	Lung	Papillary carcinoma		T3N1MO

Notes: Please bake the slides 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: Langxing Pan, M.D.

TNM Classification: Lung carcinoma

T- Primary tumor

- TX - Primary tumor cannot be assessed or tumor proven by the presence of malignant cell in sputum or bronchial washing but not visualized by imaging of bronchoscopy;
- T0 - No evidence of primary tumor;
- Tis- Carcinoma in situ;
- T1 - Tumor 3 cm or less in greatest dimension, surrounded by lung or visceral pleura without bronchoscopic evidence of invasion more proximal than lobular bronchus;
- T2 - Tumor with any of the following features of size or extent; more than 3 cm in greatest dimension; involves main bronchus, 2 cm more proximal to carina; invades visceral pleura; associated with atelectasis or obstructive pneumonitis that extends to the hilar region but not involve the entire lung;
- T3 - Tumor of any size that directly invades any of the followings: chest wall (including superior sulcus tumor), diaphragm, mediastinal pleura, parietal pericardium; tumors in the main bronchus less than 3 cm distal to the carina; associated with atelectasis or obstructive pneumonitis of entire lung;
- T4 - Tumor of any size that invades any of the following: mediastinum, heart, great vessel, trachea, esophagus, vertebral body, carina, separate tumor nodule(s) in the same lobe; tumor with malignant pleural effusion.

N - Regional lymph nodes

- NX - Regional lymph nodes cannot be assessed;
- NO - No regional lymph node metastasis;
- N1 - Metastasis in ipsilateral peribronchial and/or ipsilateral hilar lymph nodes and intrapulmonary nodes, including involvement by direct extension;
- N2 - Metastasis in ipsilateral mediastinal and/or subcarinal lymph nodes;
- N3 - Metastasis in contralateral mediastinal, contralateral hilar, ipsilateral or contralateral scalene, or supraclavicular lymph nodes.

M - Distant metastasis

- MX - Distant metastasis cannot be assessed MO - No distant metastasis;
- M1 - Distant metastasis, including separate tumor nodule(s) in a different lobe (ipsilateral or contralateral).