



Cat No: **LUC1502 - Lung cancer tissue array**

Lot#	Cores	Size	Cut	Format	QA/QC	Pantomics, Inc.	
LUC150201	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, non-overlapping with LUC1501, 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)	Images
A1,B1	19	M	Lung	Normal			
A2,B2	35	F	Lung	Normal			
A3,B3	61	M	Lung	Inflammatory			
A4,B4	56	M	Lung	Chronic bronchitis			
A5,B5	56	M	Lung	Tuberculosis			
A6,B6	57	M	Lung	Squamous cell carcinoma	III	T2N0M0	
A7,B7	46	F	Lung	Papillary carcinoma	II~III	T3N1M0	
A8,B8	66	M	Lung	Squamous cell carcinoma	III	T2N0M0	
A9,B9	62	M	Lung	Small cell carcinoma		T2N0M0	
A10,B10	50	M	Lung	Squamous cell carcinoma	III	T2N1M0	
A11,B11	58	M	Lung	Small cell carcinoma		T2N1M0	
A12,B12	50	M	Lung	Squamous cell carcinoma	II	T2N0M0	
A13,B13	19	F	Lung	Squamous cell carcinoma	III	T2N0M0	
A14,B14	73	M	Lung	Squamous cell carcinoma	III	T1N0M0	
A15,B15	39	M	Lung	Small cell carcinoma		T2N0M0	
C1,D1	60	F	Lung	Squamous cell carcinoma	III	T2N1M0	
C2,D2	49	M	Lung	Adenosquamous cell carcinoma		T1N0M0	
C3,D3	21	F	Lung	Sarcoma			
C4,D4	50	F	Lung	Mesothelioma			
C5,D5	74	M	Lung	Adenosquamous cell carcinoma		T1N0M0	
C6,D6	63	M	Lung	Squamous cell carcinoma	II~III	T2N0M0	
C7,D7	48	M	Lung	Undifferentiated carcinoma		T2N0M0	
C8,D8	62	F	Lung	Squamous cell carcinoma	II~III	T2N0M0	
C9,D9	62	M	Lung	Neuronendocrine carcinoma		T2N0M0	
C10,D10	60	M	Lung	Adenomcarcinoma	II	T2N0M0	
C11,D11	65	M	Lung	Sarcoma			
C12,D12	64	F	Lung	Adenomcarcinoma	II	T2N0M0	
C13,D13	58	M	Lung	Adenomcarcinoma	III	T2N0M0	
C14,D14	70	M	Lung	Squamous cell carcinoma	I~II	T2N0M0	
C15,D15	67	F	Lung	Adenosquamous cell carcinoma		T2N1M0	
E1,F1	62	M	Lung	Squamous cell carcinoma	III	T1N0M0	
E2,F2	53	M	Lung	Squamous cell carcinoma	III	T2N0M0	



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E3,F3	54	M	Lung	Mesothelioma		T2N1M0	
E4,F4	66	M	Lung	Bronchioloalveolar carcinoma		T1N0M0	
E5,F5	69	M	Lung	Squamous cell carcinoma	II ~ III	T2N0M0	
E6,F6	60	M	Lung	Squamous cell carcinoma	III	T2N0M0	
E7,F7	51	M	Lung	Small cell carcinoma		T2N2M0	
E8,F8	69	M	Lung	Squamous cell carcinoma	I	T2N0M0	
E9,F9	45	M	Lung	Squamous cell carcinoma	III	T2N0M0	
E10,F10	69	M	Lung	Undifferentiated large cell carcinoma		T2N0M0	
E11,F11	70	M	Lung	Squamous cell carcinoma	II ~ III	T2N1M0	
E12,F12	60	M	Lung	Squamous cell carcinoma	III	T2N0M0	
E13,F13	50	M	Lung	Adenomcarcinoma	II	T2N0M0	
E14,F14	49	M	Lung	Adenomcarcinoma	II	T2N0M0	
E15,F15	20	M	Lung	Squamous cell carcinoma	II ~ III	T2N1M0	
G1,H1	78	M	Lung	Adenomcarcinoma	II ~ III	T2N0M0	
G2,H2	56	M	Lung	Squamous cell carcinoma	III	T2N0M0	
G3,H3	65	M	Lung	Adenomcarcinoma	II ~ III	T2N0M0	
G4,H4	57	M	Lung	Bronchioloalveolar carcinoma		T2N0M0	
G5,H5	66	M	Lung	Neuronendocrine carcinoma			
G6,H6	52	M	Lung	Squamous cell carcinoma	III	T2N0M0	
G7,H7	51	F	Lung	Undifferentiated large cell carcinoma		T2N1M0	
G8,H8	42	M	Lung	Bronchioloalveolar carcinoma		T2N1M0	
G9,H9	44	F	Lung	Neuronendocrine carcinoma			
G10,H10	48	F	Lung	Undifferentiated carcinoma		T2N0M0	
G11,H11	42	M	Lung	Bronchioloalveolar carcinoma		T2N0M0	
G12,H12	43	F	Lung	Squamous cell carcinoma	II	T2N0M0	
G13,H13	66	M	Lung	Squamous cell carcinoma	III	T2N0M0	
G14,H14	50	M	Lung	Squamous cell carcinoma	II	T2N1M0	
G15,H15	54	M	Lung	Squamous cell carcinoma	III	T2N0M0	
I1,J1	60	M	Lung	Bronchioloalveolar carcinoma		T2N1M0	
I2,J2	11	M	Lung	Squamous cell carcinoma	III	T2N0M0	
I3,J3	76	M	Lung	Squamous cell carcinoma	II	T2N1M0	
I4,J4	77	M	Lung	Squamous cell carcinoma	III	T2N1M0	
I5,J5	51	F	Lung	Squamous cell carcinoma	III	T2N0M0	
I6,J6	46	M	Lung	Mucinous adenomcarcinoma		T2N0M0	
I7,J7	56	M	Lung	Squamous cell carcinoma	I	T2N1M0	
I8,J8	52	M	Lung	Adenosquamous cell carcinoma		T2N0M0	
I9,J9	74	M	Lung	Squamous cell carcinoma	II	T2N0M0	
I10,J10	70	M	Lung	Squamous cell carcinoma	III	T2N0M0	
I11,J11	51	M	Lung	Squamous cell carcinoma	III	T2N0M0	
I12,J12	55	M	Lung	Squamous cell carcinoma	II	T2N0M0	
I13,J13	62	M	Lung	Squamous cell carcinoma	I	T2N0M0	
I14,J14	58	M	Lung	Squamous cell carcinoma	II ~ III	T2N0M0	
I15,J15	50	M	Lung	Squamous cell carcinoma	III	T2N0M0	

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).