



Cat No: **LUC962 - Lung cancer tissue array**

Lot#	Cores	Size	Cut	Format	QA/QC		
LUC96201	96	1.5mm	4um	12X8	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, non-overlapping with LUC961, 96 cores including all the common types of lung cancer (36 cases) and normal and inflammatory lung tissues (12 cases) 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	34	M	Lung	Normal		
A2,B2	39	F	Lung	Normal		
A3,B3	40	F	Lung	Normal		
A4,B4	49	M	Lung	Lung with chalk deposits		
A5,B5	67	M	Lung	Chronic inflammation		
A6,B6	52	M	Lung	Chronic inflammation		
A7,B7	50	F	Lung	Chronic inflammation		
A8,B8	47	M	Lung	Chronic inflammation		
A9,B9	58	M	Lung	Granuloma		
A10,B10	54	M	Lung	Granuloma		
A11,B11	29	M	Lung	TB Granuloma		
A12,B12	64	F	Lung	TB Granuloma		
C1,D1	47	M	Lung	Squamous cell carcinoma	I	T3N2M0
C2,D2	37	M	Lung	Squamous cell carcinoma	I	T2N0M0
C3,D3	71	M	Lung	Squamous cell carcinoma	I	T2N0M0
C4,D4	50	M	Lung	Squamous cell carcinoma	I	T2N0M0
C5,D5	65	F	Lung	Squamous cell carcinoma	II	T2N0M0
C6,D6	58	M	Lung	Squamous cell carcinoma	II	T2N0M0
C7,D7	62	M	Lung	Squamous cell carcinoma	II	T2N0M0
C8,D8	42	M	Lung	Squamous cell carcinoma	II	T2N0M0
C9,D9	70	F	Lung	Squamous cell carcinoma	III	T3N2M0
C10,D10	67	M	Lung	Squamous cell carcinoma	III	T2N0M0
C11,D11	64	M	Lung	Squamous cell carcinoma	III	T4N0M0
C12,D12	57	M	Lung	Squamous cell carcinoma	III	T2N0M0
E1,F1	62	M	Lung	Adenomcarcinoma	I	T2N0M0
E2,F2	64	M	Lung	Adenomcarcinoma	I	T2N0M0
E3,F3	62	M	Lung	Adenomcarcinoma	II	T2N0M0
E4,F4	44	M	Lung	Adenomcarcinoma	II	T2N0M0



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E5,F5	50	M	Lung	Adenomcarcinoma	III	T2N1M0
E6,F6	49	F	Lung	Adenomcarcinoma	III	T2N0M0
E7,F7	45	M	Lung	Bronchioloalveolar carcinoma		T2N0M0
E8,F8	58	F	Lung	Bronchioloalveolar carcinoma		T2N0M0
E9,F9	52	M	Lung	Mucinous adenocarcinoma		T2N0M0
E10,F10	58	M	Lung	Adenosquamous carcinoma		T2N0M0
E11,F11	73	M	Lung	Adenosquamous carcinoma		T2N1M0
E12,F12	49	M	Lung	Adenosquamous carcinoma		T3N1M0
G1,H1	53	M	Lung	Papillary carcinoma		T2N0M0
G2,H2	63	F	Lung	Papillary carcinoma		T2N1M0
G3,H3	53	F	Lung	Papillary carcinoma		T2N1M0
G4,H4	74	M	Lung	Undifferentiated carcinoma		T2N1M0
G5,H5	50	M	Lung	Undifferentiated carcinoma		T2N0M0
G6,H6	28	M	Lung	Carcinoid tumor		T2N0M0
G7,H7	41	F	Lung	Neuroendocrine carcinoma		T2N0M0
G8,H8	19	M	Lung	Small cell carcinoma		T3N1M0
G9,H9	45	F	Lung	Small cell carcinoma		T2N0M0
G10,H10	42	M	Lung	Small cell carcinoma		T2N1M0
G11,H11	45	M	Lung	Metastatic cancer		
G12,H12	35	F	Lung	Metastatic cancer		

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).