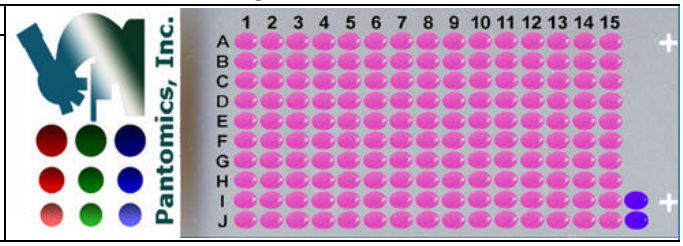
Pantomics, Inc

Phone: 415-863-2380
Support: info@pantomics.com
Web: www.pantomics.com

Advancing Biomedical Science Through Tissue Arrays

Cat No: LUC1503 - Lung cancer tissue array

Lot#	Cores	Size	Cut	Format	QA / QC
LUC150301	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, the 3rd set, 150 cores, non-overlapping with either LUC1501 or LUC1502, 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	50	M	Lung	Normal		
A2,B2	53	F	Lung	Normal		
A3,B3	48	F	Lung	Inflammatory		
A4,B4	52	M	Lung	Inflammatory		
A5,B5	41	F	Lung	Tuberculosis		
A6,B6	45	F	Lung	Small cell carcinoma		T2N0M0
A7,B7	52	F	Lung	Papillary carcinoma		T2N2M0
A8,B8	50	M	Lung	Squamous cell carcinoma	I~II	T2N0M0
A9,B9	54	M	Lung	Squamous cell carcinoma	III	T2N0M0
A10,B10	42	M	Lung	Small cell carcinoma		T2N1M0
A11,B11	60	M	Lung	Squamous cell carcinoma	II~III	T2N1M0
A12,B12	51	M	Lung	Squamous cell carcinoma	III	T2N0M0
A13,B13	73	M	Lung	Squamous cell carcinoma	II	T2N1M0
A14,B14	56	M	Lung	Squamous cell carcinoma	II~III	T2N1M0
A15,B15	31	F	Lung	Squamous cell carcinoma	III	T2N0M0
C1,D1	49	M	Lung	Undifferentiated cacinoma		T2N0M0
C2,D2	59	M	Lung	Papillary carcinoma		T2N0M0
C3,D3	65	F	Lung	Papillary carcinoma		T4N1M0
C4,D4	59	F	Lung	Adenomcarcinoma	II	T2N0M0
C5,D5	70	M	Lung	Squamous cell carcinoma	II~III	T3N1M0
C6,D6	47	M	Lung	Bronchioloalveolar carcinoma		T2N0M0
C7,D7	74	M	Lung	Squamous cell carcinoma	II~III	T2N0M0
C8,D8	63	M	Lung	Squamous cell carcinoma	II~III	T3N1M0
C9,D9	64	M	Lung	Adenomcarcinoma	II	T2N0M0
C10,D10	53	M	Lung	Adenosquamous cell carcinoma		T2N1M0
C11,D11	50	M	Lung	Squamous cell carcinoma	III	T2N0M0
C12,D12	51	M	Lung	Adenosquamous cell carcinoma		T3N1M0
C13,D13	60	M	Lung	Squamous cell carcinoma	II	T3N1M0
C14,D14	74	M	Lung	Bronchioloalveolar carcinoma		T2N0M0
C15,D15	74	M	Lung	Bronchioloalveolar carcinoma		T3N0M0
E1,F1	69	M	Lung	Squamous cell carcinoma	I~II	T3N0M0
E2,F2	40	M	Lung	Squamous cell carcinoma	II~III	T3N1M0
E3,F3	68	M	Lung	Squamous cell carcinoma	II~III	T2N0M0
E4,F4	56	M	Lung	Adenomcarcinoma	III	T3N1M0
E5,F5	63	F	Lung	Squamous cell carcinoma	III	T2N0M0

E6,F6	55	F	Lung	Papillary carcinoma		T2N0M0
E7,F7	42	M	Lung	Bronchioloalveolar carcinoma		T2N0M0
E8,F8	70	F	Lung	Adenomcarcinoma	II	T2N0M0
E9,F9	51	M	Lung	Squamous cell carcinoma	III	T3N0M0
E10,F10	53	M	Lung	Adenosquamous cell carcinoma		T2N0M0
E11,F11	42	F	Lung	Bronchioloalveolar carcinoma		T2N0M0
E12,F12	45	F	Lung	Adenomcarcinoma	II~III	T2N0M0
E13,F13	53	M	Lung	Squamous cell carcinoma	II~III	T2N0M0
E14,F14	44	F	Lung	Adenomcarcinoma	II	T2N0M0
E15,F15	78	M	Lung	Squamous cell carcinoma	II~III	T2N1M0
G1,H1	72	M	Lung	Adenomcarcinoma	III	T2N0M0
G2,H2	70	M	Lung	Adenomcarcinoma	III	T2N0M0
G3,H3	53	M	Lung	Squamous cell carcinoma	III	T2N1M0
G4,H4	67	M	Lung	Squamous cell carcinoma	III	T2N1M0
G5,H5	44	M	Lung	Adenomcarcinoma	II	T2N0M0
G6,H6	61	M	Lung	Adenomcarcinoma	II	T2N1M0
G7,H7	59	M	Lung	Squamous cell carcinoma	III	T3N1M0
G8,H8	51	M	Lung	Squamous cell carcinoma	II~III	T2N0M0
G9,H9	43	M	Lung	Squamous cell carcinoma	III	T2N1M0
G10,H10	54	M	Lung	Squamous cell carcinoma	III	T3N0M0
G11,H11	47	M	Lung	Papillary carcinoma		T2N0M0
G12,H12	65	M	Lung	Squamous cell carcinoma	II	T3N1M0
G13,H13	58	M	Lung	Adenomcarcinoma	II	T2N0M0
G14,H14	75	M	Lung	Squamous cell carcinoma	II~III	T2N0M0
G15,H15	49	M	Lung	Squamous cell carcinoma	I~II	T2N1M0
I1,J1	59	M	Lung	Squamous cell carcinoma	I~II	T2N0M0
I2,J2	63	M	Lung	Squamous cell carcinoma	III	T2N1M0
I3,J3	52	M	Lung	Squamous cell carcinoma	II~III	T2N0M0
I4,J4	63	M	Lung	Squamous cell carcinoma	III	T2N0M0
I5,J5	60	M	Lung	Squamous cell carcinoma	II~III	T3N1M0
I6,J6	58	F	Lung	Papillary carcinoma		T2N0M0
I7,J7	51	M	Lung	Adenomcarcinoma	III	T3N0M0
I8,J8	45	M	Lung	Adenomcarcinoma	I~II	T2N1M0
I9,J9	50	M	Lung	Adenomcarcinoma	II	T2N0M0
I10,J10	42	M	Lung	Adenomcarcinoma	II	T2N1M0
I11,J11	73	M	Lung	Squamous cell carcinoma	II	T2N0M0
I12,J12	55	M	Lung	Squamous cell carcinoma	III	T2N1M0
I13,J13	55	M	Lung	Adenomcarcinoma	II	T3N1M0
I14,J14	62	F	Lung	Adenomcarcinoma	II	T2N1M0
I15,J15	52	M	Lung	Adenosquamous cell carcinoma		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.

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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;

TO - 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).