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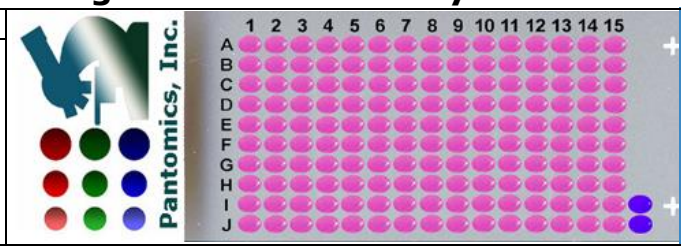
Advancing Biomedical Science Through Tissue Arrays

Cat No: LUC1504 – Small Cell Lung cancer tissue array

Lot#	Cores	Size	Cut	Format	QA/QC
LUC150401	150	1.1mm	4um	10X15	H&E



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

Description: Small cell lung cancer tissue array, 150 cores, including normal/benign (5 cases) and small cell carcinoma (70 cases with TNM staging data) tissues 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 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	Grade	Stage
A01	M	62	Lung	Normal	null	null
A02	F	45	Lung	Normal	null	null
A03	F	44	Lung	Normal	null	null
A04	M	19	Lung	Normal	null	null
A05	M	54	Lung	Normal	null	null
A06	F	50	Lung	Small cell carcinoma	null	T4N1M0
A07	M	67	Lung	Small cell carcinoma	null	T2N0M0
A08	M	51	Lung	Small cell carcinoma	null	T2N0M0
A09	M	67	Lung	Small cell carcinoma	null	T2N0M0
A10	M	46	Lung	Small cell carcinoma	null	T2N0M0
A11	M	41	Lung	Small cell carcinoma	null	T2N1M0
A12	M	62	Lung	Small cell carcinoma	null	T2N0M0
A13	F	38	Lung	Small cell carcinoma	null	T2N0M0
A14	F	57	Lung	Small cell carcinoma	null	T2N0M0
A15	F	48	Lung	Small cell carcinoma	null	T2N0M0
B01	M	62	Lung	Normal	null	null
B02	F	45	Lung	Normal	null	null
B03	F	44	Lung	Normal	null	null
B04	M	19	Lung	Normal	null	null
B05	M	54	Lung	Normal	null	null
B06	F	50	Lung	Small cell carcinoma	null	T4N1M0
B07	M	67	Lung	Small cell carcinoma	null	T2N0M0
B08	M	51	Lung	Small cell carcinoma	null	T2N0M0
B09	M	67	Lung	Small cell carcinoma	null	T2N0M0
B10	M	46	Lung	Small cell carcinoma	null	T2N0M0
B11	M	41	Lung	Small cell carcinoma	null	T2N1M0
B12	M	62	Lung	Small cell carcinoma	null	T2N0M0
B13	F	38	Lung	Small cell carcinoma	null	T2N0M0
B14	F	57	Lung	Small cell carcinoma	null	T2N0M0
B15	F	48	Lung	Small cell carcinoma	null	T2N0M0
C01	M	66	Lung	Small cell carcinoma	null	T2N0M0
C02	M	70	Lung	Small cell carcinoma	null	T2N0M0
C03	M	51	Lung	Small cell carcinoma	null	T2N0M0
C04	M	69	Lung	Small cell carcinoma	null	T2N0M0
C05	M	60	Lung	Small cell carcinoma	null	T2N1M0
C06	M	50	Lung	Small cell carcinoma	null	T2N1M0
C07	M	65	Lung	Small cell carcinoma	null	T2N1M0
C08	M	50	Lung	Small cell carcinoma	null	T2N1M0
C09	M	34	Lung	Small cell carcinoma	null	T2N0M0

C10	F	64	Lung	Small cell carcinoma	null	T3N0M0
C11	M	62	Lung	Small cell carcinoma	null	T2N0M0
C12	M	58	Lung	Small cell carcinoma	null	T2N1M0
C13	M	62	Lung	Small cell carcinoma	null	T2N2M0
C14	M	39	Lung	Small cell carcinoma	null	T2N1M0
C15	M	19	Lung	Small cell carcinoma	null	T3N0M0
D01	M	66	Lung	Small cell carcinoma	null	T2N0M0
D02	M	70	Lung	Small cell carcinoma	null	T2N0M0
D03	M	51	Lung	Small cell carcinoma	null	T2N0M0
D04	M	69	Lung	Small cell carcinoma	null	T2N0M0
D05	M	60	Lung	Small cell carcinoma	null	T2N1M0
D06	M	50	Lung	Small cell carcinoma	null	T2N1M0
D07	M	65	Lung	Small cell carcinoma	null	T2N1M0
D08	M	50	Lung	Small cell carcinoma	null	T2N1M0
D09	M	34	Lung	Small cell carcinoma	null	T2N0M0
D10	F	64	Lung	Small cell carcinoma	null	T3N0M0
D11	M	62	Lung	Small cell carcinoma	null	T2N0M0
D12	M	58	Lung	Small cell carcinoma	null	T2N1M0
D13	M	62	Lung	Small cell carcinoma	null	T2N2M0
D14	M	39	Lung	Small cell carcinoma	null	T2N1M0
D15	M	19	Lung	Small cell carcinoma	null	T3N0M0
E01	M	62	Lung	Small cell carcinoma	null	T2N0M0
E02	F	41	Lung	Small cell carcinoma	null	T2N0M0
E03	M	28	Lung	Small cell carcinoma	null	T3N0M0
E04	F	45	Lung	Small cell carcinoma	null	T2N0M0
E05	M	45	Lung	Small cell carcinoma	null	T2N1M0
E06	M	51	Lung	Small cell carcinoma	null	T2N2M0
E07	M	66	Lung	Small cell carcinoma	null	T2N0M0
E08	F	44	Lung	Small cell carcinoma	null	T2N1M0
E09	M	50	Lung	Small cell carcinoma	null	T2N0M0
E10	M	53	Lung	Small cell carcinoma	null	T2N0M0
E11	M	59	Lung	Small cell carcinoma	null	T2N1M0
E12	M	63	Lung	Small cell carcinoma	null	T2N1M0
E13	M	55	Lung	Small cell carcinoma	null	T2N0M0
E14	M	63	Lung	Small cell carcinoma	null	T2N0M0
E15	M	60	Lung	Small cell carcinoma	null	T3N1M0
F01	M	62	Lung	Small cell carcinoma	null	T2N0M0
F02	F	41	Lung	Small cell carcinoma	null	T2N0M0
F03	M	28	Lung	Small cell carcinoma	null	T3N0M0
F04	F	45	Lung	Small cell carcinoma	null	T2N0M0
F05	M	45	Lung	Small cell carcinoma	null	T2N1M0
F06	M	51	Lung	Small cell carcinoma	null	T2N2M0
F07	M	66	Lung	Small cell carcinoma	null	T2N0M0
F08	F	44	Lung	Small cell carcinoma	null	T2N1M0
F09	M	50	Lung	Small cell carcinoma	null	T2N0M0
F10	M	53	Lung	Small cell carcinoma	null	T2N0M0
F11	M	59	Lung	Small cell carcinoma	null	T2N1M0
F12	M	63	Lung	Small cell carcinoma	null	T2N1M0
F13	M	55	Lung	Small cell carcinoma	null	T2N0M0
F14	M	63	Lung	Small cell carcinoma	null	T2N0M0
F15	M	60	Lung	Small cell carcinoma	null	T3N1M0
G01	M	58	Lung	Small cell carcinoma	null	T2N0M0
G02	M	62	Lung	Small cell carcinoma	null	T2N1M0
G03	M	54	Lung	Small cell carcinoma	null	T2N0M0
G04	F	68	Lung	Small cell carcinoma	null	T2N1M0
G05	M	44	Lung	Small cell carcinoma	null	T2N0M0
G06	F	36	Lung	Small cell carcinoma	null	T2N0M0
G07	M	73	Lung	Small cell carcinoma	null	T2N0M0
G08	M	55	Lung	Small cell carcinoma	null	T3N2M0
G09	M	23	Lung	Small cell carcinoma	null	T3N1M0

G10	M	45	Lung	Small cell carcinoma	null	T2N0M0
G11	M	56	Lung	Small cell carcinoma	null	T2N0M0
G12	M	40	Lung	Small cell carcinoma	null	T2N1M0
G13	M	52	Lung	Small cell carcinoma	null	T2N1M0
G14	M	54	Lung	Small cell carcinoma	null	T2N1M0
G15	M	70	Lung	Small cell carcinoma	null	T2N0M0
H01	M	58	Lung	Small cell carcinoma	null	T2N0M0
H02	M	62	Lung	Small cell carcinoma	null	T2N1M0
H03	M	54	Lung	Small cell carcinoma	null	T2N0M0
H04	F	68	Lung	Small cell carcinoma	null	T2N1M0
H05	M	44	Lung	Small cell carcinoma	null	T2N0M0
H06	F	36	Lung	Small cell carcinoma	null	T2N0M0
H07	M	73	Lung	Small cell carcinoma	null	T2N0M0
H08	M	55	Lung	Small cell carcinoma	null	T3N2M0
H09	M	23	Lung	Small cell carcinoma	null	T3N1M0
H10	M	45	Lung	Small cell carcinoma	null	T2N0M0
H11	M	56	Lung	Small cell carcinoma	null	T2N0M0
H12	M	40	Lung	Small cell carcinoma	null	T2N1M0
H13	M	52	Lung	Small cell carcinoma	null	T2N1M0
H14	M	54	Lung	Small cell carcinoma	null	T2N1M0
H15	M	70	Lung	Small cell carcinoma	null	T2N0M0
I01	M	58	Lung	Small cell carcinoma	null	T1N0M0
I02	M	42	Lung	Small cell carcinoma	null	T2N1M0
I03	M	56	Lung	Small cell carcinoma	null	T2N0M0
I04	M	52	Lung	Small cell carcinoma	null	T2N0M0
I05	F	55	Lung	Small cell carcinoma	null	T2N1M0
I06	M	56	Lung	Small cell carcinoma	null	T2N0M0
I07	M	67	Lung	Small cell carcinoma	null	T2N0M0
I08	F	60	Lung	Small cell carcinoma	null	T2N0M0
I09	M	64	Lung	Small cell carcinoma	null	T2N0M0
I10	F	61	Lung	Small cell carcinoma	null	T2N0M0
I11	M	56	Lung	Small cell carcinoma	null	T3N1M1
I12	M	57	Lung	Small cell carcinoma	null	T2N1M0
I13	M	62	Lung	Small cell carcinoma	null	T2N1M0
I14	M	42	Lung	Small cell carcinoma	null	T2N0M0
I15	M	68	Lung	Small cell carcinoma	null	T2N1M0
J01	M	58	Lung	Small cell carcinoma	null	T1N0M0
J02	M	42	Lung	Small cell carcinoma	null	T2N1M0
J03	M	56	Lung	Small cell carcinoma	null	T2N0M0
J04	M	52	Lung	Small cell carcinoma	null	T2N0M0
J05	F	55	Lung	Small cell carcinoma	null	T2N1M0
J06	M	56	Lung	Small cell carcinoma	null	T2N0M0
J07	M	67	Lung	Small cell carcinoma	null	T2N0M0
J08	F	60	Lung	Small cell carcinoma	null	T2N0M0
J09	M	64	Lung	Small cell carcinoma	null	T2N0M0
J10	F	61	Lung	Small cell carcinoma	null	T2N0M0
J11	M	56	Lung	Small cell carcinoma	null	T3N1M1
J12	M	57	Lung	Small cell carcinoma	null	T2N1M0
J13	M	62	Lung	Small cell carcinoma	null	T2N1M0
J14	M	42	Lung	Small cell carcinoma	null	T2N0M0
J15	M	68	Lung	Small cell carcinoma	null	T2N1M0

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: 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;

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).