

A716(IV) - Test slide, Lung cancer tissues with corresponding normal tissues

(formalin fixed)

For research use only

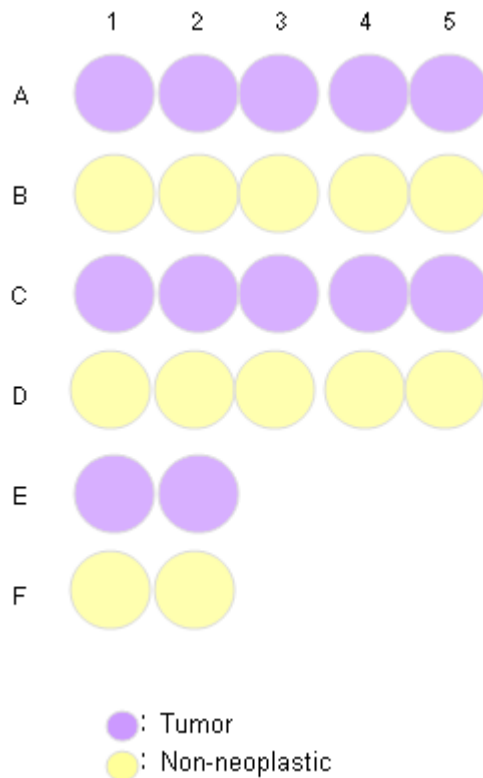
Specifications:

- No. of cases: 12
- Tissue type: Lung cancer tissues with corresponding normal tissues
- No. of spots: 1 spots from each cancer case (12 spots)
12 non-neoplastic spots (12spots)
- Total spots: 24
- Corresponding normal tissues with cancers: Yes
- Diameter: 1.0 mm

Documents:

- Product specification: layout, summary of tissue spots
- H&E stained images
- Detailed pathological information

Layout:



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Summary of tissue spots

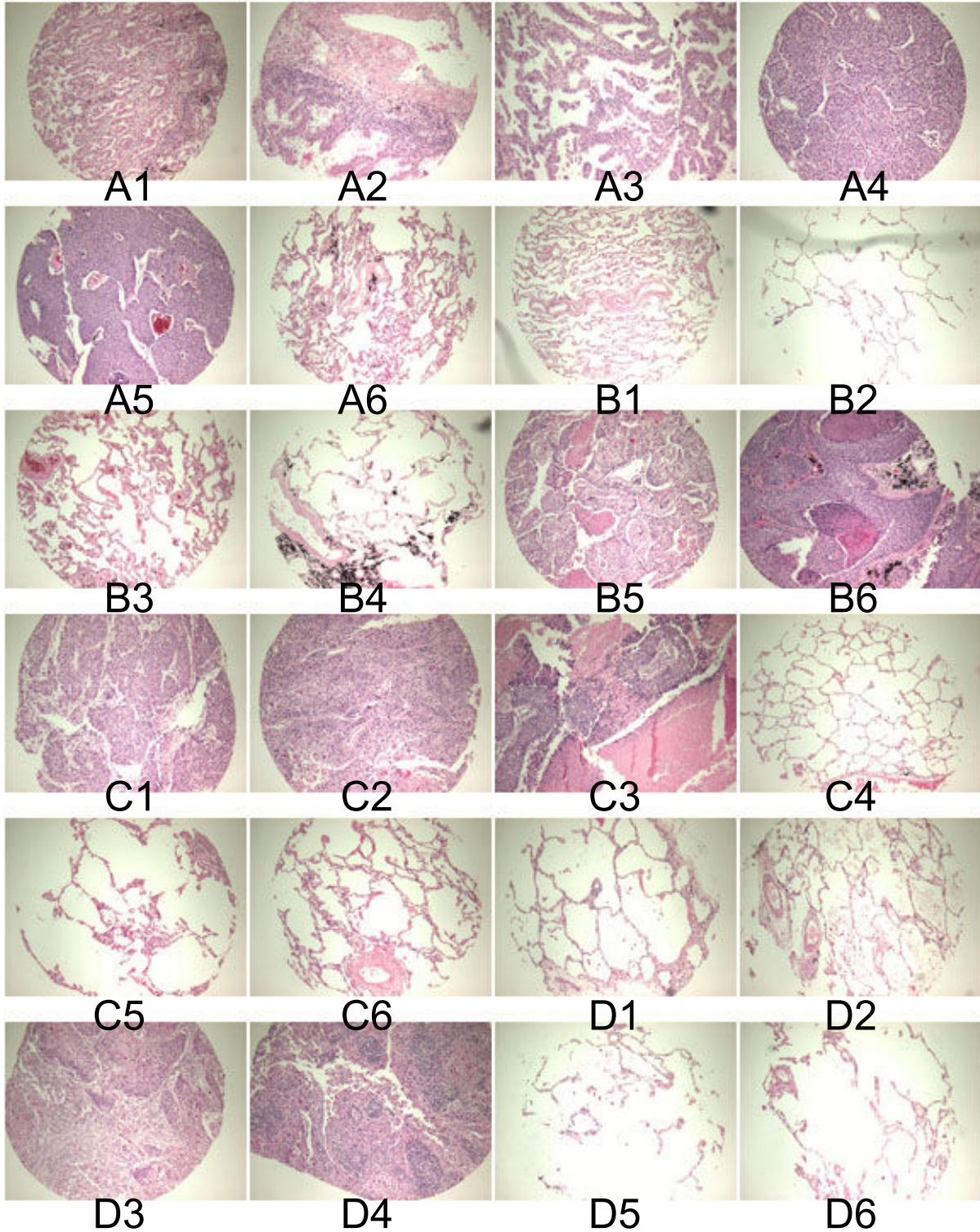
No	Coordinate		Sex	Age	Key Word
1	A	1	F	67	lung : Adenocarcinoma
2	B	1	F	67	non-neoplastic
3	A	2	F	53	lung : Adenocarcinoma
4	B	2	F	53	non-neoplastic
5	A	3	F	70	lung : Adenocarcinoma
6	B	3	F	70	non-neoplastic
7	A	4	M	63	lung : Adenocarcinoma
8	B	4	M	63	non-neoplastic
9	A	5	M	86	lung : Adenocarcinoma
10	B	5	M	86	non-neoplastic
11	C	1	F	46	lung : Adenocarcinoma
12	D	1	F	46	non-neoplastic
13	C	2	M	87	lung : squamous cell carcinoma
14	D	2	M	87	non-neoplastic
15	C	3	M	67	lung : Adenocarcinoma
16	D	3	M	67	non-neoplastic
17	C	4	M	61	lung : squamous cell carcinoma
18	C	4	M	61	non-neoplastic
19	C	5	M	71	lung : squamous cell carcinoma
20	D	5	M	71	non-neoplastic
21	E	1	M	59	lung : squamous cell carcinoma
22	F	1	M	59	non-neoplastic
23	E	2	M	89	lung : squamous cell carcinoma
24	F	2	M	89	non-neoplastic

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**QC sheet_LOT#132120909132
Hematoxylin and Eosin staining**



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No	Coordinate		Sex	Age	Key Word	Histological Diagnosis
1	A	1	F	67	lung : Adenocarcinoma	Lung, left, pneumonectomy: 1. Adenocarcinoma, acinar(moderately differentiated), and papillary 1) multiple involvement in the entire lobes such as, upper lobe (4x2cm, 0.7x0.5cm), basal segment(2.8x1.8cm) and major fissure 2) extension to the chest wall(pleural pleura) 3) combined with calcifying nodules(old tuberculosis nodules) 2. Bronchial resection margin: Free of tumor.
2	B	1	F	67	non-neoplastic	non-neoplastic from A1
3	A	2	F	53	lung : Adenocarcinoma	Lung, left, pneumonectomy: 1. Adenocarcinoma, acinar type with focal papillary type and BAC 1) size: 3.3x3.2cm 2) occasional vascular invasion 3) confined to the lung parenchyma 2. Resection margin, bronchial: Free of tumor. 3. Lymph node: Metastatic adenocarcinoma in 3 out of 6 lymph nodes, in detail, peribronchial(3/3), AP window(0/1), IPL(0/1), low peribronchial(0/1).
4	B	2	F	53	non-neoplastic	non-neoplastic from A2
5	A	3	F	70	lung : Adenocarcinoma	Lung, LLL, lobectomy: 1. Adenocarcinoma, acinar, 1) size: 3.5x3cm 2) peripherally located and visceral pleura involvement 2. Bronchial resection margin: Free of tumor. 3. Regional lymph nodes: Tumor metastasis to 2 out of 2(2/2).
6	B	3	F	70	non-neoplastic	non-neoplastic from A3
7	A	4	M	63	lung : Adenocarcinoma	Lung, RUL posterior segment, segmentectomy: 1. Adenocarcinoma, poorly differentiated, acinar type mixed with solid type 1) size: 2.5x2cm 2)peripherally located and no visceral pleural involvement 2. Emphysema and bullae formation 3. Resection margin: Free of tumor.
8	B	4	M	63	non-neoplastic	non-neoplastic from A4

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No	Coordinate		Sex	Age	Key Word	Histological Diagnosis
9	A	5	M	86	lung : Adenocarcinoma	Lung, LUL, apicoposterior, segmentectomy: 1. Adenocarcinoma, poorly differentiated, with area of bronchioloalveolar carcinoma 1) size: 5.5x4cm 2) extension to the visceral pleura and peribronchial fat tissue 3) marked, lymphovascular permeation 2. Bronchial resection margin: Free of tumor. 3. Lung, LLL, lobectomy: 1) Bronchiectasis, multiple bronchi involvement 2) Emphysema.
10	B	5	M	86	non-neoplastic	non-neoplastic from A5
11	C	1	F	46	lung : Adenocarcinoma	Lung, right, pneumonectomy: 1. Adenocarcinoma, poorly differentiated 1) size: 3.7x3cm 2) extension to visceral pleura 3) lymphovascular permeation: positive 2. Associated lung anomalies: Bronchiolitis. 3. Bronchial resection margin: Free of tumor. 4. Regional lymph nodes: Tumor metastasis to 3 out of 5.
12	D	1	F	46	non-neoplastic	non-neoplastic from C1
13	C	2	M	87	lung : squamous cell carcinoma	Lung, left lower lobe, lobectomy: 1. Squamous cell carcinoma, moderately differentiated, 1) size: 6.5x4.5cm. 2) confined within the lung parenchyme. 3) presence of tumor emboli. 2. Surrounding lung 1) emphysema. 2) pulmonary hypertension. 3) bronchiolitis with obstructive pneumonia. 4) focal septal thickening with fibrosis. 5) anthracotic macules and nodules. 3. Bronchial resection margin: Free of tumor. 4. Regional lymph nodes: Free of tumor in all nodes(0/35), in detail, peribronchial(0/5), IPL(0/1), subcarinal(0/10), right hilar(0/5), A-P window(0/9), left hilar(0/5).
14	D	2	M	87	non-neoplastic	non-neoplastic from C2

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No	Coordinate		Sex	Age	Key Word	Histological Diagnosis
15	C	3	M	67	lung : Adenocarcinoma	Lung, left upper lobe, lobectomy: 1. Poorly differentiated carcinoma, non-small cell type, 1) probably adenocarcinoma 2) size: 3.1x2.8cm 3) extension to the visceral pleura 2. Bronchial resection margin: Free of tumor. 3. Regional lymph nodes: Free of tumor in all nodes(0/9), in detail, IPL(0/2), subaortic(0/3), subcarinal(0/2), hilar(0/2).
16	D	3	M	67	non-neoplastic	non-neoplastic from C3
17	C	4	M	61	lung : squamous cell carcinoma	Lung, RLL, lobectomy: 1. Squamous cell carcinoma, moderately differentiated 1) central located 2) size: 6x4.7cm 3) confined within the lung 2. Associated lung anomalies 1) obstructive pneumonitis 2) bronchiectasis 3. Bronchial resection margin: Free of tumor. 4. Regional lymph nodes: Free of tumor(0/1).
18	C	4	M	61	non-neoplastic	non-neoplastic from C4
19	C	5	M	71	lung : squamous cell carcinoma	Lung, lower lobe, right, lobectomy: 1. Squamous cell carcinoma, poorly differentiated 1) size: 3.5x2.5cm 2) confined within the lung parenchyme (no visceral pleura involvement) 2. Bronchial resection margin: Free of tumor.
20	D	5	M	71	non-neoplastic	non-neoplastic from C5

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No	Coordinate		Sex	Age	Key Word	Histological Diagnosis
21	E	1	M	59	lung : squamous cell carcinoma	Lung, left, pneumonectomy: 1. Squamous cell carcinoma, moderately differentiated 1) size: 11.5x7.5cm 2) extension to the chest wal (including ribs and intercostal muscle, and diaphragm) 3) lymphovascular permeation: positive 2. Associated lung anomalies 1) Chronic granulomatous inflammation with necrosis, consistent with tuberculosis. 2) Emphysema and bullae formation. 3. Stomach: Free of tumor. 4. Bronchial resection margin: Free of tumor. 5. Regional lymph nodes: Tumor metastasis(2/6).
22	F	1	M	59	non-neoplastic	non-neoplastic from E1
23	E	2	M	89	lung : squamous cell carcinoma	Lung, RUL, lobectomy: 1. Squamous cell carcinoma, poorly differentiated, 1) size: 4.5x3.5cm 2) extension to visceral pleura 2. Associated lung pathology: 1) Emphysema 2) Multiple bullae 3. Bronchial resection margin: Free of tumor 4. Regional lymph nodes: Tumor metastasis to 2 out of 20(2/20), in detail, peribronchial(1/2), hilar(1/6), IPL(0/1), subcarinal(0/11).
24	F	2	M	89	non-neoplastic	non-neoplastic from E2