

Data Sheet

Product Name: Lung Tumor Tissue Array - 36 cases in duplicates covering all the common types of lung cancer and 12 cases of normal and other non-malignant lung tissues II

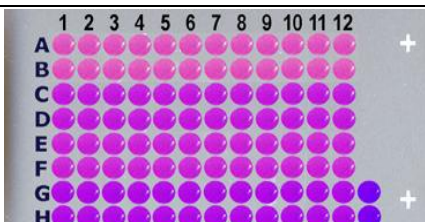
Catalog No.: Z7020067

Lot No.: C507048

Species: Human Mouse Rat Monkey (Rh) Guinea Pig Porcine
 Bovine Hamster Dog Monkey (Cy) Rabbit Plant

Tissue Type: Normal Adult Fetal Tumor Disease

Tissue Array Diagram:

Cores	Size	Cut	Format	QA/QC	
96	1.5 mm	4 µm	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 Z7020066, 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 4°C from the date of shipment. There maybe <5% core loss per slide but the core retention rate should be >90%.

Position	Sex	Age	Anatomic Site	Pathology	Grade	Stage (TNM)
A01	M	34	Lung	Normal		
A02	F	39	Lung	Normal		
A03	F	40	Lung	Normal		
A04	M	49	Lung	Lung with chalk deposits		
A05	M	67	Lung	Chronic inflammation		
A06	M	52	Lung	Chronic inflammation		
A07	F	50	Lung	Chronic inflammation		
A08	M	47	Lung	Chronic inflammation		
A09	M	58	Lung	Granuloma		
A10	M	54	Lung	Granuloma		
A11	M	29	Lung	Tuberculosis, TB granuloma		
A12	F	64	Lung	Tuberculosis, TB granuloma		
B01	M	34	Lung	Normal		
B02	F	39	Lung	Normal		
B03	F	40	Lung	Normal		
B04	M	49	Lung	Lung with chalk deposits		
B05	M	67	Lung	Chronic inflammation		
B06	M	52	Lung	Chronic inflammation		

B07	F	50	Lung	Chronic inflammation		
B08	M	47	Lung	Chronic inflammation		
B09	M	58	Lung	Granuloma		
B10	M	54	Lung	Granuloma		
B11	M	29	Lung	Tuberculosis, TB granuloma		
B12	F	64	Lung	Tuberculosis, TB granuloma		
C01	M	47	Lung	Squamous cell carcinoma	I	T3N2M0
C02	M	37	Lung	Squamous cell carcinoma	I	T2N0M0
C03	M	71	Lung	Squamous cell carcinoma	I	T2N0M0
C04	M	50	Lung	Squamous cell carcinoma	I~II	T2N0M0
C05	F	65	Lung	Squamous cell carcinoma	II	T2N0M0
C06	M	58	Lung	Squamous cell carcinoma	II	T2N0M0
C07	M	62	Lung	Squamous cell carcinoma	II	T2N0M0
C08	M	42	Lung	Squamous cell carcinoma	II	T2N0M0
C09	F	70	Lung	Squamous cell carcinoma	III	T3N2M0
C10	M	67	Lung	Squamous cell carcinoma	III	T2N1M0
C11	M	64	Lung	Squamous cell carcinoma	III	T4N0M0
C12	M	57	Lung	Squamous cell carcinoma	III	T2N0M0
D01	M	47	Lung	Squamous cell carcinoma	I	T3N2M0
D02	M	37	Lung	Squamous cell carcinoma	I	T2N0M0
D03	M	71	Lung	Squamous cell carcinoma	I	T2N0M0
D04	M	50	Lung	Squamous cell carcinoma	I~II	T2N0M0
D05	F	65	Lung	Squamous cell carcinoma	II	T2N0M0
D06	M	58	Lung	Squamous cell carcinoma	II	T2N0M0
D07	M	62	Lung	Squamous cell carcinoma	II	T2N0M0
D08	M	42	Lung	Squamous cell carcinoma	II	T2N0M0
D09	F	70	Lung	Squamous cell carcinoma	III	T3N2M0
D10	M	67	Lung	Squamous cell carcinoma	III	T2N1M0
D11	M	64	Lung	Squamous cell carcinoma	III	T4N0M0
D12	M	57	Lung	Squamous cell carcinoma	III	T2N0M0
E01	M	62	Lung	Adenocarcinoma	I	T2N0M0
E02	M	64	Lung	Adenocarcinoma	I	T2N0M0
E03	M	62	Lung	Adenocarcinoma	II	T2N0M0
E04	M	44	Lung	Adenocarcinoma	II	T2N0M0
E05	F	50	Lung	Adenocarcinoma	III	T2N1M0
E06	F	49	Lung	Adenocarcinoma	III	T2N0M0
E07	M	45	Lung	Bronchioloalveolar carcinoma		T2N0M0
E08	F	58	Lung	Bronchioloalveolar carcinoma		T2N0M0
E09	M	52	Lung	Mucinous adenocarcinoma		T2N0M0
E10	M	58	Lung	Adenosquamous carcinoma		T2N1M0
E11	M	73	Lung	Adenosquamous carcinoma		T2N1M0
E12	M	49	Lung	Adenosquamous carcinoma		T3N1M0
F01	M	62	Lung	Adenocarcinoma	I	T2N0M0
F02	M	64	Lung	Adenocarcinoma	I	T2N0M0
F03	M	62	Lung	Adenocarcinoma	II	T2N0M0
F04	M	44	Lung	Adenocarcinoma	II	T2N0M0
F05	F	50	Lung	Adenocarcinoma	III	T2N1M0
F06	F	49	Lung	Adenocarcinoma	III	T2N0M0
F07	M	45	Lung	Bronchioloalveolar carcinoma		T2N0M0
F08	F	58	Lung	Bronchioloalveolar carcinoma		T2N0M0
F09	M	52	Lung	Mucinous adenocarcinoma		T2N0M0
F10	M	58	Lung	Adenosquamous carcinoma		T2N1M0
F11	M	73	Lung	Adenosquamous carcinoma		T2N1M0
F12	M	49	Lung	Adenosquamous carcinoma		T3N1M0
G01	M	53	Lung	Papillary adenocarcinoma		T2N1M0
G02	F	63	Lung	Papillary adenocarcinoma		T2N1M0

G03	F	53	Lung	Papillary adenocarcinoma	T2N1M0
G04	M	74	Lung	Undifferentiated carcinoma	T2N1M0
G05	M	50	Lung	Undifferentiated carcinoma	T2N0M0
G06	M	28	Lung	Carcinoid	T3N0M0
G07	F	41	Lung	Neuroendocrine carcinoma	T2N0M0
G08	M	19	Lung	Small cell carcinoma	T3N0M0
G09	F	45	Lung	Small cell carcinoma	T2N0M0
G10	M	45	Lung	Small cell carcinoma	T2N1M0
G11	M	45	Lung	Metastatic cancer	
G12	F	35	Lung	Metastatic adenocarcinoma	
H01	M	53	Lung	Papillary adenocarcinoma	T2N1M0
H02	F	63	Lung	Papillary adenocarcinoma	T2N1M0
H03	F	53	Lung	Papillary adenocarcinoma	T2N1M0
H04	M	74	Lung	Undifferentiated carcinoma	T2N1M0
H05	M	50	Lung	Undifferentiated carcinoma	T2N0M0
H06	M	28	Lung	Carcinoid	T3N0M0
H07	F	41	Lung	Neuroendocrine carcinoma	T2N0M0
H08	M	19	Lung	Small cell carcinoma	T3N0M0
H09	F	45	Lung	Small cell carcinoma	T2N0M0
H10	M	45	Lung	Small cell carcinoma	T2N1M0
H11	M	45	Lung	Metastatic cancer	
H12	F	35	Lung	Metastatic adenocarcinoma	

Notes: Please bake the slides at 60°C 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.

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;

N0 - 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).

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