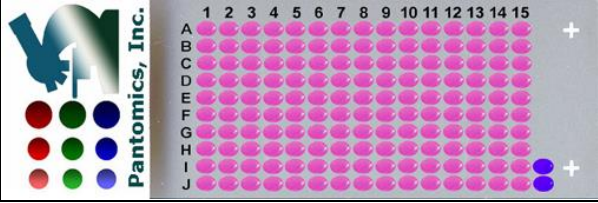


Cat No: ESC1501 – Esophagus cancer tissue array

Lot#	Cores	Size	Cut	Format	QA/QC
ESC150101	150	1.1mm	4um	10X15	H&E, IHC anti- Cytokeratin



Recommended applications: For Research use only. RNA or protein esophagus cancer/non-tumor tissue profiling using IHC or ISH; Antibody characterization.

Description: Esophagus cancer tissue array including 75 cases of normal, inflammatory, and cancerous (different grades & stages) tissues of the esophagus 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	55	Esophagus	Normal	null	null
A02	M	58	Esophagus	Normal	null	null
A03	M	71	Esophagus	Normal	null	null
A04	M	65	Esophagus	Chronic esophagitis	null	null
A05	M	65	Esophagus	Chronic esophagitis	null	null
A06	F	50	Esophagus	Squamous cell carcinoma	II	T3N1M0
A07	M	40	Esophagus	Squamous cell carcinoma	I~II	T2N0M0
A08	M	50	Esophagus	Squamous cell carcinoma	I	T3N0M0
A09	M	63	Esophagus	Squamous cell carcinoma	III~IV	T3N1M0
A10	M	51	Esophagus	Squamous cell carcinoma	II	T2N0M0
A11	M	61	Esophagus	Squamous cell carcinoma	II~III	T3N1M0
A12	M	49	Esophagus	Squamous cell carcinoma	III	T3N0M0
A13	M	48	Esophagus	Squamous cell carcinoma	III	T2N1M0
A14	M	67	Esophagus	Squamous cell carcinoma	III	T2N1M0
A15	M	56	Esophagus	Squamous cell carcinoma	I~II	T3N0M0
B01	M	55	Esophagus	Normal	null	null
B02	M	58	Esophagus	Normal	null	null
B03	M	71	Esophagus	Normal	null	null
B04	M	65	Esophagus	Chronic esophagitis	null	null
B05	M	65	Esophagus	Chronic esophagitis	null	null
B06	F	50	Esophagus	Squamous cell carcinoma	II	T3N1M0
B07	M	40	Esophagus	Squamous cell carcinoma	I~II	T2N0M0
B08	M	50	Esophagus	Squamous cell carcinoma	I	T3N0M0
B09	M	63	Esophagus	Squamous cell carcinoma	III~IV	T3N1M0
B10	M	51	Esophagus	Squamous cell carcinoma	II	T2N0M0
B11	M	61	Esophagus	Squamous cell carcinoma	II~III	T3N1M0
B12	M	49	Esophagus	Squamous cell carcinoma	III	T3N0M0
B13	M	48	Esophagus	Squamous cell carcinoma	III	T2N1M0
B14	M	67	Esophagus	Squamous cell carcinoma	III	T2N1M0
B15	M	56	Esophagus	Squamous cell carcinoma	I~II	T3N0M0
C01	M	71	Esophagus	Squamous cell carcinoma	I~II	T3N0M0
C02	M	66	Esophagus	Squamous cell carcinoma	I~II	T3N0M0
C03	M	51	Esophagus	Squamous cell carcinoma	II~III	T3N1M0
C04	F	68	Esophagus	Squamous cell carcinoma	II	T2N0M0
C05	M	55	Esophagus	Squamous cell carcinoma	I~II	T3N0M0
C06	F	57	Esophagus	Squamous cell carcinoma	II~III	T2N1M0
C07	M	53	Esophagus	Squamous cell carcinoma	I	T3N0M0
C08	M	58	Esophagus	Squamous cell carcinoma	I	T2N0M0
C09	M	58	Esophagus	Squamous cell carcinoma	I~II	T3N1M0



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C10	M	58	Esophagus	Squamous cell carcinoma	III	T3N1M0
C11	F	26	Esophagus	Squamous cell carcinoma	I~II	T2N0M0
C12	M	58	Esophagus	Adenocarcinoma?	III	T3N1M0
C13	M	62	Esophagus	Squamous cell carcinoma	II	T2N0M0
C14	F	56	Esophagus	Squamous cell carcinoma	I~II	T3N0M0
C15	M	62	Esophagus	Squamous cell carcinoma	I~II	T3N0M0
D01	M	71	Esophagus	Squamous cell carcinoma	I~II	T3N0M0
D02	M	66	Esophagus	Squamous cell carcinoma	I~II	T3N0M0
D03	M	51	Esophagus	Squamous cell carcinoma	II~III	T3N1M0
D04	F	68	Esophagus	Squamous cell carcinoma	II	T2N0M0
D05	M	55	Esophagus	Squamous cell carcinoma	I~II	T3N0M0
D06	F	57	Esophagus	Squamous cell carcinoma	II~III	T2N1M0
D07	M	53	Esophagus	Squamous cell carcinoma	I	T3N0M0
D08	M	58	Esophagus	Squamous cell carcinoma	I	T2N0M0
D09	M	58	Esophagus	Squamous cell carcinoma	I~II	T3N1M0
D10	M	58	Esophagus	Squamous cell carcinoma	III	T3N1M0
D11	F	26	Esophagus	Squamous cell carcinoma	I~II	T2N0M0
D12	M	58	Esophagus	Adenocarcinoma?	III	T3N1M0
D13	M	62	Esophagus	Squamous cell carcinoma	II	T2N0M0
D14	F	56	Esophagus	Squamous cell carcinoma	I~II	T3N0M0
D15	M	62	Esophagus	Squamous cell carcinoma	I~II	T3N0M0
E01	M	60	Esophagus	Squamous cell carcinoma	I	T2N1M0
E02	M	56	Esophagus	Squamous cell carcinoma	III	T3N0M0
E03	M	58	Esophagus	Squamous cell carcinoma	I~II	T3N1M0
E04	M	43	Esophagus	Squamous cell carcinoma	II~III	T4N0M0
E05	M	69	Esophagus	Squamous cell carcinoma	III	T3N0M0
E06	M	76	Esophagus	Squamous cell carcinoma	II	T2N1M0
E07	M	53	Esophagus	Squamous cell carcinoma	I	T4N1M0
E08	M	63	Esophagus	Squamous cell carcinoma	II	T2N0M0
E09	M	65	Esophagus	Squamous cell carcinoma	I~II	T3N0M0
E10	F	72	Esophagus	Squamous cell carcinoma	I	T3N0M0
E11	M	56	Esophagus	Squamous cell carcinoma	I	T3N0M0
E12	M	57	Esophagus	Squamous cell carcinoma	I~II	T2N1M0
E13	M	71	Esophagus	Squamous cell carcinoma	I~II	T2N1M0
E14	M	58	Esophagus	Squamous cell carcinoma	I~II	T2N0M0
E15	M	77	Esophagus	Squamous cell carcinoma	III	T2N1M0
F01	M	60	Esophagus	Squamous cell carcinoma	I	T2N1M0
F02	M	56	Esophagus	Squamous cell carcinoma	III	T3N0M0
F03	M	58	Esophagus	Squamous cell carcinoma	I~II	T3N1M0
F04	M	43	Esophagus	Squamous cell carcinoma	II~III	T4N0M0
F05	M	69	Esophagus	Squamous cell carcinoma	III	T3N0M0
F06	M	76	Esophagus	Squamous cell carcinoma	II	T2N1M0
F07	M	53	Esophagus	Squamous cell carcinoma	I	T4N1M0
F08	M	63	Esophagus	Squamous cell carcinoma	II	T2N0M0
F09	M	65	Esophagus	Squamous cell carcinoma	I~II	T3N0M0
F10	F	72	Esophagus	Squamous cell carcinoma	I	T3N0M0
F11	M	56	Esophagus	Squamous cell carcinoma	I	T3N0M0
F12	M	57	Esophagus	Squamous cell carcinoma	I~II	T2N1M0
F13	M	71	Esophagus	Squamous cell carcinoma	I~II	T2N1M0
F14	M	58	Esophagus	Squamous cell carcinoma	I~II	T2N0M0
F15	M	77	Esophagus	Squamous cell carcinoma	III	T2N1M0
G01	M	43	Esophagus	Squamous cell carcinoma	I~II	T2N0M0
G02	F	61	Esophagus	Squamous cell carcinoma	III	T2N1M0
G03	M	62	Esophagus	Squamous cell carcinoma	I~II	T3N1M0
G04	M	55	Esophagus	Squamous cell carcinoma	I~II	T2N0M0
G05	M	62	Esophagus	Squamous cell carcinoma	I~II	T3N1M0
G06	M	62	Esophagus	Squamous cell carcinoma	III	T2N0M0
G07	M	51	Esophagus	Squamous cell carcinoma	II	T3N1M0
G08	M	59	Esophagus	Squamous cell carcinoma	I~II	T3N1M0
G09	M	53	Esophagus	Squamous cell carcinoma	II~III	T3N0M0



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G10	F	45	Esophagus	Squamous cell carcinoma	II~III	T2N0M0
G11	M	54	Esophagus	Squamous cell carcinoma	II	T3N1M0
G12	M	76	Esophagus	Squamous cell carcinoma	I	T3N1M0
G13	M	53	Esophagus	Squamous cell carcinoma	I	T3N0M0
G14	M	56	Esophagus	Squamous cell carcinoma	I	T3N1M0
G15	M	70	Esophagus	Squamous cell carcinoma	III	T3N1M0
H01	M	43	Esophagus	Squamous cell carcinoma	I~II	T2N0M0
H02	F	61	Esophagus	Squamous cell carcinoma	III	T2N1M0
H03	M	62	Esophagus	Squamous cell carcinoma	I~II	T3N1M0
H04	M	55	Esophagus	Squamous cell carcinoma	I~II	T2N0M0
H05	M	62	Esophagus	Squamous cell carcinoma	I~II	T3N1M0
H06	M	62	Esophagus	Squamous cell carcinoma	III	T2N0M0
H07	M	51	Esophagus	Squamous cell carcinoma	II	T3N1M0
H08	M	59	Esophagus	Squamous cell carcinoma	I~II	T3N1M0
H09	M	53	Esophagus	Squamous cell carcinoma	II~III	T3N0M0
H10	F	45	Esophagus	Squamous cell carcinoma	II~III	T2N0M0
H11	M	54	Esophagus	Squamous cell carcinoma	II	T3N1M0
H12	M	76	Esophagus	Squamous cell carcinoma	I	T3N1M0
H13	M	53	Esophagus	Squamous cell carcinoma	I	T3N0M0
H14	M	56	Esophagus	Squamous cell carcinoma	I	T3N1M0
H15	M	70	Esophagus	Squamous cell carcinoma	III	T3N1M0
I01	M	77	Esophagus	Adenocarcinoma	II	T3N0M0
I02	F	72	Esophagus	Squamous cell carcinoma	III	T3N0M0
I03	M	40	Esophagus	Squamous cell carcinoma	I	T2N0M0
I04	F	68	Esophagus	Squamous cell carcinoma	I	T2N0M0
I05	M	73	Esophagus	Squamous cell carcinoma	I	T3N1M0
I06	M	31	Esophagus	Squamous cell carcinoma	III	T3N1M0
I07	M	64	Esophagus	Squamous cell carcinoma	II	T2N1M0
I08	M	57	Esophagus	Squamous cell carcinoma	II~III	T3N1M0
I09	M	62	Esophagus	Squamous cell carcinoma	I	T3N0M0
I10	M	71	Esophagus	Squamous cell carcinoma	III	T3N1M0
I11	M	47	Esophagus	Squamous cell carcinoma	II~III	T3N1M0
I12	M	45	Esophagus	Squamous cell carcinoma	II	T3N0M0
I13	M	74	Esophagus	Squamous cell carcinoma	II~III	T2N1M0
I14	M	42	Esophagus	Squamous cell carcinoma	I~II	T3N1M0
I15	M	56	Esophagus	Squamous cell carcinoma	I	T2N1M0
J01	M	77	Esophagus	Adenocarcinoma	II	T3N0M0
J02	F	72	Esophagus	Squamous cell carcinoma	III	T3N0M0
J03	M	40	Esophagus	Squamous cell carcinoma	I	T2N0M0
J04	F	68	Esophagus	Squamous cell carcinoma	I	T2N0M0
J05	M	73	Esophagus	Squamous cell carcinoma	I	T3N1M0
J06	M	31	Esophagus	Squamous cell carcinoma	III	T3N1M0
J07	M	64	Esophagus	Squamous cell carcinoma	II	T2N1M0
J08	M	57	Esophagus	Squamous cell carcinoma	II~III	T3N1M0
J09	M	62	Esophagus	Squamous cell carcinoma	I	T3N0M0
J10	M	71	Esophagus	Squamous cell carcinoma	III	T3N1M0
J11	M	47	Esophagus	Squamous cell carcinoma	II~III	T3N1M0
J12	M	45	Esophagus	Squamous cell carcinoma	II	T3N0M0
J13	M	74	Esophagus	Squamous cell carcinoma	II~III	T2N1M0
J14	M	42	Esophagus	Squamous cell carcinoma	I~II	T3N1M0
J15	M	56	Esophagus	Squamous cell carcinoma	I	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: Esophagus carcinoma

T- Primary tumor

- TX - Primary tumor cannot be assessed
- TO - No evidence of primary tumor
- Tis - Carcinoma in situ
- T1 - Tumor invades lamina propria or submucosa
- T2 - Tumor invades muscularis propria
- T3 - Tumor invades adventitia
- T4 - Tumor invades adjacent structures

N - Regional lymph nodes

- NX - Regional lymph nodes cannot be assessed
- NO - No regional lymph node metastasis
- N1 - Regional lymph node metastasis

M - Distant metastasis

- MX - Distant metastasis cannot be assessed
- MO - No distant metastasis
- M1 - Distant metastasis

TNM classification of malignant tumours, Fifth Edition (1997)