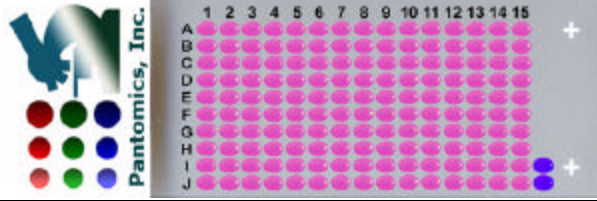




Cat No: **ESC1501** – Esophagus cancer tissue array

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 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	55	M	Esophagus	Normal		
A2,B2	58	M	Esophagus	Normal		
A3,B3	71	M	Esophagus	Normal		
A4,B4	65	M	Esophagus	Chronic esophagitis		
A5,B5	65	M	Esophagus	Chronic esophagitis		
A6,B6	50	F	Esophagus	Squamous cell carcinoma	II	T3N1M0
A7,B7	40	M	Esophagus	Squamous cell carcinoma	I~II	T2N0M0
A8,B8	50	M	Esophagus	Squamous cell carcinoma	I	T3N0M0
A9,B9	63	M	Esophagus	Squamous cell carcinoma	III~IV	T3N1M0
A10,B10	51	M	Esophagus	Squamous cell carcinoma	II	T2N0M0
A11,B11	61	M	Esophagus	Squamous cell carcinoma	II~III	T3N1M0
A12,B12	49	M	Esophagus	Squamous cell carcinoma	III	T3N0M0
A13,B13	48	M	Esophagus	Squamous cell carcinoma	III	T2N0M0
A14,B14	67	M	Esophagus	Squamous cell carcinoma	III	T3N1M0
A15,B15	56	M	Esophagus	Squamous cell carcinoma	I~II	T3N0M0
C1,D1	71	M	Esophagus	Squamous cell carcinoma	I~II	T3N0M0
C2,D2	66	M	Esophagus	Squamous cell carcinoma	I~II	T3N0M0
C3,D3	51	M	Esophagus	Squamous cell carcinoma	II~III	T3N0M0
C4,D4	48	F	Esophagus	Squamous cell carcinoma	II	T2N0M0
C5,D5	55	M	Esophagus	Squamous cell carcinoma	I~II	T3N0M0
C6,D6	57	F	Esophagus	Squamous cell carcinoma	II~III	T2N1M0
C7,D7	53	M	Esophagus	Squamous cell carcinoma	I	T3N0M0
C8,D8	58	M	Esophagus	Squamous cell carcinoma	I	T2N0M0
C9,D9	58	M	Esophagus	Squamous cell carcinoma	I~II	T3N1M0
C10,D10	58	M	Esophagus	Squamous cell carcinoma	III	T3N1M0
C11,D11	26	F	Esophagus	Squamous cell carcinoma	I~II	T2N0M0
C12,D12	58	M	Esophagus	Squamous cell carcinoma	III	T3N1M0
C13,D13	62	M	Esophagus	Squamous cell carcinoma	II	T2N0M0
C14,D14	56	F	Esophagus	Squamous cell carcinoma	I~II	T2N0M0
C15,D15	36	M	Esophagus	Squamous cell carcinoma	I	T3N0M0
E1,F1	60	M	Esophagus	Squamous cell carcinoma	I	T2N0M0
E2,F2	56	M	Esophagus	Squamous cell carcinoma	III	T4N3M1
E3,F3	58	M	Esophagus	Squamous cell carcinoma	I~II	T1N0M0
E4,F4	43	M	Esophagus	Squamous cell carcinoma	II~III	T4N1M1
E5,F5	69	M	Esophagus	Squamous cell carcinoma	III	T3N0M0



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E6,F6	76	M	Esophagus	Squamous cell carcinoma	II	T2N0M0
E7,F7	53	M	Esophagus	Squamous cell carcinoma	I	T4N1M0
E8,F8	63	M	Esophagus	Squamous cell carcinoma	II	T2N0M0
E9,F9	65	M	Esophagus	Squamous cell carcinoma	I~II	T3N0M0
E10,F10	72	F	Esophagus	Squamous cell carcinoma	I	T3N0M0
E11,F11	56	M	Esophagus	Squamous cell carcinoma	I	T3N0M0
E12,F12	57	M	Esophagus	Squamous cell carcinoma	II	T2N0M0
E13,F13	71	M	Esophagus	Squamous cell carcinoma	II	T2N0M0
E14,F14	58	M	Esophagus	Squamous cell carcinoma	I~II	T2N0M0
E15,F15	77	M	Esophagus	Squamous cell carcinoma	III	T2N0M0
G1,H1	43	M	Esophagus	Squamous cell carcinoma	I~II	T2N0M0
G2,H2	61	F	Esophagus	Squamous cell carcinoma	III	T2N1M0
G3,H3	62	M	Esophagus	Squamous cell carcinoma	I~II	T2N0M0
G4,H4	55	M	Esophagus	Squamous cell carcinoma	I~II	T2N0M0
G5,H5	62	M	Esophagus	Squamous cell carcinoma	I	T3N1M0
G6,H6	62	M	Esophagus	Squamous cell carcinoma	III	T2N0M0
G7,H7	51	M	Esophagus	Squamous cell carcinoma	II	T3N1M0
G8,H8	59	M	Esophagus	Squamous cell carcinoma	I~II	T2N0M0
G9,H9	53	M	Esophagus	Squamous cell carcinoma	II~III	T2N0M0
G10,H10	45	F	Esophagus	Squamous cell carcinoma	II~III	T2N0M0
G11,H11	54	M	Esophagus	Squamous cell carcinoma	II	T2N0M0
G12,H12	76	M	Esophagus	Squamous cell carcinoma	I	T3N1M0
G13,H13	53	M	Esophagus	Squamous cell carcinoma	I	T3N0M0
G14,H14	56	M	Esophagus	Squamous cell carcinoma	I	T3N1M0
G15,H15	70	M	Esophagus	Squamous cell carcinoma	III	T3N1M0
I1,J1	77	M	Esophagus	Adenocarcinoma	II	T3N0M0
I2,J2	72	F	Esophagus	Squamous cell carcinoma	III	T3N0M0
I3,J3	40	M	Esophagus	Squamous cell carcinoma	I	T2N0M0
I4,J4	68	F	Esophagus	Squamous cell carcinoma	I	T2N0M0
I5,J5	73	M	Esophagus	Squamous cell carcinoma	I	T3N1M0
I6,J6	31	M	Esophagus	Squamous cell carcinoma	III	T3N0M0
I7,J7	64	M	Esophagus	Squamous cell carcinoma	II	T2N0M0
I8,J8	57	M	Esophagus	Squamous cell carcinoma	II~III	T2N0M0
I9,J9	62	M	Esophagus	Squamous cell carcinoma	I	T3N0M0
I10,J10	71	M	Esophagus	Squamous cell carcinoma	III	T2N0M0
I11,J11	47	M	Esophagus	Squamous cell carcinoma	II~III	T3N1M0
I12,J12	45	M	Esophagus	Adenocarcinoma	II	T3N0M0
I13,J13	74	M	Esophagus	Squamous cell carcinoma	II~III	T2N1M0
I14,J14	42	M	Esophagus	Squamous cell carcinoma	I~II	T3N1M0
I15,J15	56	M	Esophagus	Squamous cell carcinoma	I	T2N0M0

Notes: Bake 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.



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)