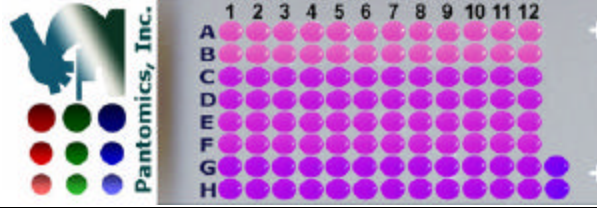




Cat No: **ESC961** – Esophagus cancer tissue array

Lot#	Cores	Size	Cut	Format	QA/QC
ESC96101	96	1.5mm	4um	8X12	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:** **Description:** Esophageal cancer tissue array, 96 cores including 36 cases (purple/blue) of esophageal cancers and 12 cases of normal, inflammatory, anaplasia and carcinoma in situ esophagus tissues (pink) 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	Sex	Age	Anatomic site	Histology	Grade	Stage (TNM)
A1,B1	M	57	Esophagus	Normal		
A2,B2	M	56	Esophagus	Normal		
A3,B3	M	63	Esophagus	Normal		
A4,B4	F	61	Esophagus	Normal		
A5,B5	M	62	Esophagus	Chronic esophagitis		
A6,B6	M	65	Esophagus	Chronic esophagitis		
A7,B7	M	58	Esophagus	Chronic esophagitis		
A8,B8	M	56	Esophagus	Chronic esophagitis		
A9,B9	M	40	Esophagus	Chronic esophagitis		
A10,B10	M	71	Esophagus	Anaplasia		
A11,B11	M	71	Esophagus	Carcinoma in situ		
A12,B12	M	57	Esophagus	Carcinoma in situ		
C1,D1	M	40	Esophagus	Squamous cell carcinoma	I	T2N0M0
C2,D2	M	50	Esophagus	Squamous cell carcinoma	I	T2N0M0
C3,D3	M	64	Esophagus	Squamous cell carcinoma	I	T2N0M0
C4,D4	M	56	Esophagus	Squamous cell carcinoma	I	T3N0M0
C5,D5	F	67	Esophagus	Squamous cell carcinoma	I	T2N0M0
C6,D6	M	55	Esophagus	Squamous cell carcinoma	I	T3N0M0
C7,D7	M	53	Esophagus	Squamous cell carcinoma	I	T3N0M0
C8,D8	M	58	Esophagus	Squamous cell carcinoma	I	T2N0M0
C9,D9	F	26	Esophagus	Squamous cell carcinoma	I	T2N0M0
C10,D10	F	56	Esophagus	Squamous cell carcinoma	I	T2N0M0
C11,D11	M	60	Esophagus	Squamous cell carcinoma	I	T2N0M0
C12,D12	M	67	Esophagus	Squamous cell carcinoma	I	T2N0M0
E1,F1	F	50	Esophagus	Squamous cell carcinoma	II	T3N1M0
E2,F2	M	51	Esophagus	Squamous cell carcinoma	II	T2N0M0
E3,F3	M	61	Esophagus	Squamous cell carcinoma	II	T2N1M0
E4,F4	M	71	Esophagus	Squamous cell carcinoma	II	T2N0M0
E5,F5	M	51	Esophagus	Squamous cell carcinoma	II	T3N0M0
E6,F6	F	49	Esophagus	Squamous cell carcinoma	II	T2N0M0
E7,F7	M	62	Esophagus	Squamous cell carcinoma	II	T2N0M0
E8,F8	M	58	Esophagus	Squamous cell carcinoma	II	T1N0M0
E9,F9	F	74	Esophagus	Squamous cell carcinoma	II	T2N0M0



**Advancing Biomedical Science Through Tissue Arrays**

E10,F10	M	63	Esophagus	Squamous cell carcinoma	II	T2N0M0
E11,F11	M	65	Esophagus	Squamous cell carcinoma	II	T2N0M0
E12,F12	M	57	Esophagus	Squamous cell carcinoma	II	T2N0M0
G1,H1	M	48	Esophagus	Squamous cell carcinoma	III	T2N0M0
G2,H2	M	67	Esophagus	Squamous cell carcinoma	III	T3N1M0
G3,H3	M	65	Esophagus	Squamous cell carcinoma	III	T2N0MX
G4,H4	F	57	Esophagus	Squamous cell carcinoma	III	T2N1M0
G5,H5	M	58	Esophagus	Squamous cell carcinoma	III	T3N0M0
G6,H6	M	36	Esophagus	Squamous cell carcinoma	III	T2N0M0
G7,H7	M	56	Esophagus	Squamous cell carcinoma	III	T4N3M1
G8,H8	M	43	Esophagus	Squamous cell carcinoma	III	T2N0M0
G9,H9	M	69	Esophagus	Squamous cell carcinoma	III	T3N0M0
G10,H10	M	63	Esophagus	Squamous cell carcinoma	III	T3N1M0
G11,H11	M	58	Esophagus	Adenocarcinoma	III	T3N1M0
G12,H12	M	49	Esophagus	Small cell carcinoma	III	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)