
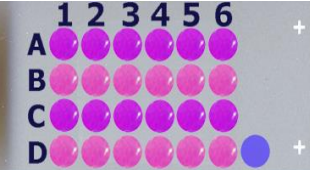




**ESC241 - Esophagus cancer/adjacent paired tissue array**

Lot#	Cores	Size	Cut	Format	QA/QC		
ESC24101	24	2.5mm	4um	4X6	H&E, IHC anti-Cytokeratin		

**Recommended applications:** For Research use only. Designed for esophagus normal vs cancer RNA or protein tissue profiling using IHC or ISH.

**Description:** 12 cases of esophageal cancer (purple) with corresponding uninvolved tissues (pink) from the same patients as controls.

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	40	Esophagus	Squamous cell carcinoma	I~II	T2N0M0
A02	M	56	Esophagus	Squamous cell carcinoma	I~II	T3N0M0
A03	M	64	Esophagus	Squamous cell carcinoma	I~II	T3N0M0
A04	M	65	Esophagus	Squamous cell carcinoma	II~III	T3N0M0
A05	M	51	Esophagus	Squamous cell carcinoma	II	T2N0M0
A06	M	61	Esophagus	Squamous cell carcinoma	II~III	T3N1M0
B01	M	40	Esophagus	Uninvolved esophagus tissue of A1	null	null
B02	M	56	Esophagus	Uninvolved esophagus tissue of A2	null	null
B03	M	64	Esophagus	Uninvolved esophagus tissue of A3	null	null
B04	M	65	Esophagus	Uninvolved esophagus tissue of A4	null	null
B05	M	51	Esophagus	Uninvolved esophagus tissue of A5	null	null
B06	M	61	Esophagus	Uninvolved esophagus tissue of A6	null	null
C01	F	57	Esophagus	Squamous cell carcinoma	II~III	T2N1M0
C02	M	58	Esophagus	Adenocarcinoma?	III	T3N1M0
C03	M	65	Esophagus	Squamous cell carcinoma	III	T2N1M0
C04	M	67	Esophagus	Squamous cell carcinoma	III	T2N1M0
C05	M	49	Esophagus	Squamous cell carcinoma	III	T3N0M0
C06	M	63	Esophagus	Squamous cell carcinoma	III	T3N1M0
D01	F	57	Esophagus	Uninvolved esophagus tissue of C1	null	null
D02	M	58	Esophagus	Uninvolved esophagus tissue of C2	null	null
D03	M	65	Esophagus	Uninvolved esophagus tissue of C3	null	null
D04	M	67	Esophagus	Uninvolved esophagus tissue of C4	null	null
D05	M	49	Esophagus	Uninvolved esophagus tissue of C5	null	null
D06	M	63	Esophagus	Uninvolved esophagus tissue of C6	null	null

**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](mailto:info@pantomics.com).

**Certified by:** Fancai Li, 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)