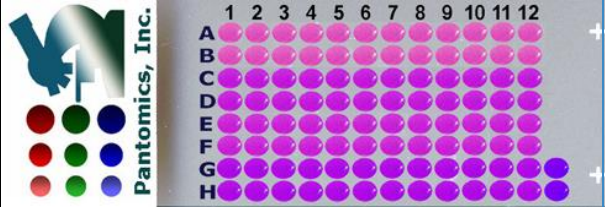


**Cat No: COM961 – Colon cancer tissue array paired with metastatic tumors**

Lot#	Cores	Size	Cut	Format	QA/QC	
COM96101	96	1.5mm	4um	8X12	H&E, IHC anti- Cytokeratin	

**Recommended applications:** For research use only. Designed for comparative IHC or ISH based protein or RNA tissue profiling in paired primary and metastatic tumor tissues from multiple colon cancer patients.

**Description: Description:** Colon metastatic cancer tissue array, 96 cores including 12 cases of colon cancers with matched adjacent normal tissues, 36 cases of colon cancers paired with lymph node metastasis.

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	60	Colon	Adenocarcinoma	II~III	T3N0M0
A02	F	47	Colon	Adenocarcinoma	II	T3N0M0
A03	M	85	Colon	Adenocarcinoma	I~II	T3N0M0
A04	M	48	Colon	Adenocarcinoma	II	T3N0M0
A05	F	62	Colon	Adenocarcinoma	III	T2N0M0
A06	F	35	Colon	Adenocarcinoma	II	T3N0M0
A07	M	80	Colon	Adenocarcinoma	I	T3N0M0
A08	M	78	Colon	Adenocarcinoma	II	T3N0M0
A09	M	73	Colon	Adenocarcinoma	I~II	T3N0M0
A10	M	80	Colon	Adenocarcinoma	II	T3N0M0
A11	M	57	Colon	Adenocarcinoma	II	T3N0M0
A12	F	71	Colon	Adenocarcinoma	II	T3N0M0
B01	M	60	Colon	Normal colon of A01	null	null
B02	F	47	Colon	Normal colon of A02	null	null
B03	M	85	Colon	Normal colon of A03	null	null
B04	M	48	Colon	Normal colon of A04	null	null
B05	F	62	Colon	Normal colon of A05	null	null
B06	F	35	Colon	Normal colon of A06	null	null
B07	M	80	Colon	Normal colon of A07	null	null
B08	M	78	Colon	Normal colon of A08	null	null
B09	M	73	Colon	Normal colon of A09	null	null
B10	M	80	Colon	Normal colon of A10	null	null
B11	M	57	Colon	Normal colon of A11	null	null
B12	F	71	Colon	Normal colon of A12	null	null
C01	F	39	Colon	Adenocarcinoma	I	T3N1M0
C02	F	58	Colon	Adenocarcinoma	III	T4N1M1
C03	F	58	Colon	Adenocarcinoma	III	T2N1M0
C04	F	74	Colon	Adenocarcinoma	III	T3N2M0
C05	M	56	Colon	Adenocarcinoma	III	T3N2M0
C06	F	55	Colon	Adenocarcinoma	II	T3N1M0
C07	M	74	Colon	Adenocarcinoma	II-III	T3N2M0
C08	F	51	Colon	Adenocarcinoma	II	T3N2M0
C09	F	75	Colon	Adenocarcinoma	III	T3N2M0
C10	M	54	Colon	Adenocarcinoma	II	T2N1M0
C11	F	80	Rectum?	Adenocarcinoma	II~III	T2N2M0
C12	M	42	Colon	Adenocarcinoma	III	T3N1M0
D01	null	null	Lymph node	Lymph node metastasis of C01	null	null
D02	null	null	Lymph node	Lymph node metastasis of C02	null	null



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D03	null	null	Lymph node	Lymph node metastasis of C03	null	null
D04	null	null	Lymph node	Lymph node metastasis of C04	null	null
D05	null	null	Lymph node	Lymph node metastasis of C05	null	null
D06	null	null	Lymph node	Lymph node metastasis of C06	null	null
D07	null	null	Lymph node	Lymph node metastasis of C07	null	null
D08	null	null	Lymph node	Lymph node metastasis of C08	null	null
D09	null	null	Lymph node	Lymph node metastasis of C09	null	null
D10	null	null	Lymph node	Lymph node metastasis of C10	null	null
D11	null	null	Lymph node	Lymph node metastasis of C11	null	null
D12	null	null	Lymph node	Lymph node metastasis of C12	null	null
E01	F	25	Colon	Adenocarcinoma	II	T2N1M0
E02	F	57	Colon	Adenocarcinoma	II	T3N2M0
E03	M	65	Colon	Adenocarcinoma	II	T3N2M0
E04	M	59	Colon	Adenocarcinoma	II~III	T3N2M0
E05	M	39	Colon	Mucinous adenocarcinoma	null	T3N2M0
E06	M	72	Colon	Adenocarcinoma	I~II	T3N1M0
E07	F	60	Colon	Adenocarcinoma	II	T2N1M0
E08	F	75	Colon	Adenocarcinoma	II	T2N1M0
E09	F	65	Colon	Adenocarcinoma	II	T3N2M0
E10	M	51	Colon	Adenocarcinoma	I	T2N2M0
E11	M	46	Colon	Adenocarcinoma	II	T3N2M0
E12	M	49	Colon	Adenocarcinoma	I~II	T3N1M0
F01	null	null	Lymph node	Lymph node metastasis of E01	null	null
F02	null	null	Lymph node	Lymph node metastasis of E02	null	null
F03	null	null	Lymph node	Lymph node metastasis of E03	null	null
F04	null	null	Lymph node	Lymph node metastasis of E04	null	null
F05	null	null	Lymph node	Lymph node metastasis of E05	null	null
F06	null	null	Lymph node	Lymph node metastasis of E06	null	null
F07	null	null	Lymph node	Lymph node metastasis of E07	null	null
F08	null	null	Lymph node	Lymph node metastasis of E08	null	null
F09	null	null	Lymph node	Lymph node metastasis of E09	null	null
F10	null	null	Lymph node	Lymph node metastasis of E10	null	null
F11	null	null	Lymph node	Lymph node metastasis of E11	null	null
F12	null	null	Lymph node	Lymph node metastasis of E12	null	null
G01	M	77	Colon	Signet ring cell carcinoma	null	T3N2M0
G02	F	55	Colon	Adenocarcinoma	I	T2N2M0
G03	F	45	Colon	Adenocarcinoma	II	T3N2M0
G04	M	66	Colon	Adenocarcinoma	III	T3N1M1
G05	F	36	Colon	Adenocarcinoma	II	T3N2M0
G06	M	60	Colon	Adenocarcinoma	II	T3N1M0
G07	M	73	Colon	Adenocarcinoma	III	T4N1M0
G08	M	41	Colon	Signet ring cell carcinoma	null	T4N2M0
G09	F	50	Colon	Adenocarcinoma	II~III	T3N1M0
G10	M	64	Stomach?	Adenocarcinoma	III	T3N2M0
G11	F	78	Colon	Adenocarcinoma	II~III	T3N1M0
G12	F	68	Colon	Adenocarcinoma	II	T3N2M0
H01	null	null	Lymph node	Lymph node metastasis of G01	null	null
H02	null	null	Lymph node	Lymph node metastasis of G02	null	null
H03	null	null	Lymph node	Lymph node metastasis of G03	null	null
H04	null	null	Lymph node	Lymph node metastasis of G04	null	null
H05	null	null	Lymph node	Lymph node metastasis of G05	null	null
H06	null	null	Lymph node	Lymph node metastasis of G06	null	null
H07	null	null	Lymph node	Lymph node metastasis of G07	null	null
H08	null	null	Lymph node	Lymph node metastasis of G08	null	null
H09	null	null	Lymph node	Lymph node metastasis of G09	null	null
H10	null	null	Lymph node	Lymph node metastasis of G10	null	null
H11	null	null	Lymph node	Lymph node metastasis of G11	null	null
H12	null	null	Lymph node	Lymph node metastasis of G12	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:** Langxing Pan, M.D.

## **TNM Classification: Colon and Rectum Carcinoma**

### **T- Primary tumor**

TX - Primary tumor cannot be assessed

TO - No evidence of primary tumor

Tis - Carcinoma in situ; intraepithelial or invasion of lamina propria

T1 - Tumor invades submucosa

T2 - Tumor invades muscularis propria

T3 - Tumor invades through muscularis propria into subserosa or into non-peritonealized pericolic or perirectal tissues.

T4 - Tumor directly invades other organs or structures and/or perforate visceral peritoneum

### **N - Regional lymph nodes**

NX - Regional lymph nodes cannot be assessed

NO - No regional lymph node metastasis

N1 - Metastasis in 1 to 3 regional lymph nodes

N2 - metastasis in 4 or more regional lymph nodes

### **M - Distant metastasis**

MX - Distant metastasis cannot be assessed

MO - No distant metastasis

M1 - Distant metastasis