



**Cat No: COC1261 – Paired colon cancer/normal tissue array**

Lot#	Cores	Size	Cut	Format	QA/QC	
COC126101	126	1.5mm	4um	9X14	H&E, IHC anti-Cytokeratin	

**Recommended applications:** For Research use only. RNA or protein cancer verse normal tissue profiling using IHC or ISH; Antibody characterization.

**Description:** Colon paired cancer/normal tissue array, set 1, 42 cases, 126 cores, non-overlapping with COC1262, one normal paired with two tumor tissue cores from each patient, with grading and TNM staging data.

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	F	78	Intestine, colon	Adenocarcinoma	I	T1N0M0
A02	M	65	Intestine, colon	Adenocarcinoma	I	T3N0M0
A03	M	52	Intestine, colon	Adenocarcinoma	I	T2N0M0
A04	F	50	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
A05	M	78	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
A06	M	82	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
A07	F	75	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
A08	F	50	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
A09	M	59	Intestine, colon	Adenocarcinoma	I~II	T2N1M0
A10	F	70	Intestine, colon	Adenocarcinoma	I~II	T4N0M0
A11	M	40	Intestine, colon	Adenocarcinoma	I~II	T2N1M0
A12	M	34	Intestine, colon	Adenocarcinoma	II	T2N0M0
A13	M	60	Intestine, colon	Adenocarcinoma	II	T2N0M0
A14	M	55	Intestine, colon	Adenocarcinoma	II	T2N1M0
B01	F	78	Intestine, colon	Adenocarcinoma	I	T1N0M0
B02	M	65	Intestine, colon	Adenocarcinoma	I	T3N0M0
B03	M	52	Intestine, colon	Adenocarcinoma	I	T2N0M0
B04	F	50	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
B05	M	78	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
B06	M	82	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
B07	F	75	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
B08	F	50	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
B09	M	59	Intestine, colon	Adenocarcinoma	I~II	T2N1M0
B10	F	70	Intestine, colon	Adenocarcinoma	I~II	T4N0M0
B11	M	40	Intestine, colon	Adenocarcinoma	I~II	T2N1M0
B12	M	34	Intestine, colon	Adenocarcinoma	II	T2N0M0
B13	M	60	Intestine, colon	Adenocarcinoma	II	T2N0M0
B14	M	55	Intestine, colon	Adenocarcinoma	II	T2N1M0
C01	F	78	Intestine, colon	Uninvolved colon tissue of A1, B1	null	null
C02	M	65	Intestine, colon	Uninvolved colon tissue of A2, B2	null	null
C03	M	52	Intestine, colon	Uninvolved colon tissue of A3, B3	null	null
C04	F	50	Intestine, colon	Uninvolved colon tissue of A4, B4	null	null
C05	M	78	Intestine, colon	Uninvolved colon tissue of A5, B5	null	null
C06	M	82	Intestine, colon	Uninvolved colon tissue of A6, B6	null	null
C07	F	75	Intestine, colon	Uninvolved colon tissue of A7, B7	null	null
C08	F	50	Intestine, colon	Uninvolved colon tissue of A8, B8	null	null
C09	M	59	Intestine, colon	Uninvolved colon tissue of A9, B9	null	null
C10	F	70	Intestine, colon	Uninvolved colon tissue of A10, B10	null	null
C11	M	40	Intestine, colon	Uninvolved colon tissue of A11, B11	null	null



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C12	M	34	Intestine, colon	Uninvolved colon tissue of A12, B12	null	null
C13	M	60	Intestine, colon	Uninvolved colon tissue of A13, B13	null	null
C14	M	55	Intestine, colon	Uninvolved colon tissue of A14, B14	null	null
D01	M	70	Intestine, colon	Adenocarcinoma	II	T3N0M0
D02	F	65	Intestine, colon	Adenocarcinoma	II	T3N0M0
D03	M	77	Intestine, colon	Adenocarcinoma	II	T3N0M0
D04	M	54	Intestine, colon	Adenocarcinoma	II	T2N1M0
D05	M	56	Intestine, colon	Adenocarcinoma	II	T2N0M0
D06	M	58	Intestine, colon	Adenocarcinoma	II	T3N1M0
D07	M	55	Intestine, colon	Adenocarcinoma	II	T2N1M0
D08	M	83	Intestine, colon	Adenocarcinoma	II	T3N0M0
D09	M	56	Intestine, colon	Adenocarcinoma	II	T3N1M0
D10	F	25	Intestine, colon	Adenocarcinoma	II	T2N1M0
D11	M	62	Intestine, colon	Adenocarcinoma	II	T2N0M0
D12	F	57	Intestine, colon	Adenocarcinoma	II	T3N2M0
D13	M	53	Intestine, colon	Adenocarcinoma	II	T2N1M0
D14	M	72	Intestine, colon	Adenocarcinoma	II	T2N0M0
E01	M	70	Intestine, colon	Adenocarcinoma	II	T3N0M0
E02	F	65	Intestine, colon	Adenocarcinoma	II	T3N0M0
E03	M	77	Intestine, colon	Adenocarcinoma	II	T3N0M0
E04	M	54	Intestine, colon	Adenocarcinoma	II	T2N1M0
E05	M	56	Intestine, colon	Adenocarcinoma	II	T2N0M0
E06	M	58	Intestine, colon	Adenocarcinoma	II	T3N1M0
E07	M	55	Intestine, colon	Adenocarcinoma	II	T2N1M0
E08	M	83	Intestine, colon	Adenocarcinoma	II	T3N0M0
E09	M	56	Intestine, colon	Adenocarcinoma	II	T3N1M0
E10	F	25	Intestine, colon	Adenocarcinoma	II	T2N1M0
E11	M	62	Intestine, colon	Adenocarcinoma	II	T2N0M0
E12	F	57	Intestine, colon	Adenocarcinoma	II	T3N2M0
E13	M	53	Intestine, colon	Adenocarcinoma	II	T2N1M0
E14	M	72	Intestine, colon	Adenocarcinoma	II	T2N0M0
F01	M	70	Intestine, colon	Uninvolved colon tissue of D1, E1	null	null
F02	F	65	Intestine, colon	Uninvolved colon tissue of D2, E2	null	null
F03	M	77	Intestine, colon	Uninvolved colon tissue of D3, E3	null	null
F04	M	54	Intestine, colon	Uninvolved colon tissue of D4, E4	null	null
F05	M	56	Intestine, colon	Uninvolved colon tissue of D5, E5	null	null
F06	M	58	Intestine, colon	Uninvolved colon tissue of D6, E6	null	null
F07	M	55	Intestine, colon	Uninvolved colon tissue of D7, E7	null	null
F08	M	83	Intestine, colon	Uninvolved colon tissue of D8, E8	null	null
F09	M	56	Intestine, colon	Uninvolved colon tissue of D9, E9	null	null
F10	F	25	Intestine, colon	Uninvolved colon tissue of D10, E10	null	null
F11	M	62	Intestine, colon	Uninvolved colon tissue of D11, E11	null	null
F12	F	57	Intestine, colon	Uninvolved colon tissue of D12, E12	null	null
F13	M	53	Intestine, colon	Uninvolved colon tissue of D13, E13	null	null
F14	M	72	Intestine, colon	Uninvolved colon tissue of D14, E14	null	null
G01	M	65	Intestine, colon	Adenocarcinoma	II	T3N2M0
G02	M	41	Intestine, colon	Adenocarcinoma	II	T3N1M0
G03	M	70	Intestine, colon	Adenocarcinoma	II	T2N0M0
G04	F	50	Intestine, colon	Adenocarcinoma	II	T2N0M0
G05	F	75	Intestine, colon	Adenocarcinoma	II	T2N0M0
G06	M	78	Intestine, colon	Adenocarcinoma	II	T2N0M0
G07	F	50	Intestine, colon	Adenocarcinoma	II	T3N2M0
G08	F	51	Intestine, colon	Adenocarcinoma	II~III	T3N0M0
G09	F	80	Intestine, colon	Adenocarcinoma	II~III	T2N2M0
G10	F	66	Intestine, colon	Adenocarcinoma	II~III	T3N1M0
G11	M	70	Intestine, colon	Adenocarcinoma	II~III	T3N0M0
G12	F	82	Intestine, colon	Adenocarcinoma	II~III	T2N0M0
G13	M	65	Intestine, colon	Adenocarcinoma	III	T3N2M0
G14	F	53	Intestine, colon	Adenocarcinoma	III	T3N0M0
H01	M	65	Intestine, colon	Adenocarcinoma	II	T3N2M0
H02	M	41	Intestine, colon	Adenocarcinoma	II	T3N1M0



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H03	M	70	Intestine, colon	Adenocarcinoma	II	T2N0M0
H04	F	50	Intestine, colon	Adenocarcinoma	II	T2N0M0
H05	F	75	Intestine, colon	Adenocarcinoma	II	T2N0M0
H06	M	78	Intestine, colon	Adenocarcinoma	II	T2N0M0
H07	F	50	Intestine, colon	Adenocarcinoma	II	T3N2M0
H08	F	51	Intestine, colon	Adenocarcinoma	II~III	T3N0M0
H09	F	80	Intestine, colon	Adenocarcinoma	II~III	T2N2M0
H10	F	66	Intestine, colon	Adenocarcinoma	II~III	T3N1M0
H11	M	70	Intestine, colon	Adenocarcinoma	II~III	T3N0M0
H12	F	82	Intestine, colon	Adenocarcinoma	II~III	T2N0M0
H13	M	65	Intestine, colon	Adenocarcinoma	III	T3N2M0
H14	F	53	Intestine, colon	Adenocarcinoma	III	T3N0M0
I01	M	65	Intestine, colon	Uninvolved colon tissue of D1, E1	null	null
I02	M	41	Intestine, colon	Uninvolved colon tissue of D2, E2	null	null
I03	M	70	Intestine, colon	Uninvolved colon tissue of D3, E3	null	null
I04	F	50	Intestine, colon	Uninvolved colon tissue of D4, E4	null	null
I05	F	75	Intestine, colon	Uninvolved colon tissue of D5, E5	null	null
I06	M	78	Intestine, colon	Uninvolved colon tissue of D6, E6	null	null
I07	F	50	Intestine, colon	Uninvolved colon tissue of D7, E7	null	null
I08	F	51	Intestine, colon	Uninvolved colon tissue of D8, E8	null	null
I09	F	80	Intestine, colon	Uninvolved colon tissue of D9, E9	null	null
I10	F	66	Intestine, colon	Uninvolved colon tissue of D10, E10	null	null
I11	M	70	Intestine, colon	Uninvolved colon tissue of D11, E11	null	null
I12	F	82	Intestine, colon	Uninvolved colon tissue of D12, E12	null	null
I13	M	65	Intestine, colon	Uninvolved colon tissue of D13, E13	null	null
I14	F	53	Intestine, colon	Uninvolved colon tissue of D14, E14	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