



Cat No: **COC1021** Colon cancer tissue array

Lot#	Cores	Size	Cut	Format	QA/QC	Pantomics, Inc.	
COC102101	102	1.5mm	4um	8X13	H&E, IHC anti-Cytokeratin		

**Recommended applications:** For Research use only. RNA or protein colon cancer/non-tumor tissue profiling using IHC or ISH; Antibody characterization.

**Description:** Colon cancer tissue array, 102 cases of normal/benign (5 cases) and cancer (97 cases) tissues 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	M	29	Intestine, colon	Normal	null	null
A02	F	55	Intestine, colon	Normal	null	null
A03	F	2	Intestine, colon	Congenital megacolon	null	null
A04	M	56	Intestine, colon	Adenoma	null	null
A05	M	48	Intestine, colon	Tubular adenoma	null	null
A06	M	67	Intestine, colon	Papillary adenocarcinoma	null	T3N1M0
A07	F	40	Intestine, colon	Mucinous adenocarcinoma	null	T2N0M0
A08	M	71	Intestine, colon	Papillary adenocarcinoma	null	T3N0M0
A09	F	75	Intestine, colon	Papillary adenocarcinoma	null	T3N0M0
A10	M	34	Intestine, colon	Mucinous adenocarcinoma	null	T2N0M0
A11	M	42	Intestine, colon	Mucinous adenocarcinoma	null	T3N0M0
A12	F	74	Intestine, colon	Mucinous adenocarcinoma	null	T3N1M0
A13	F	55	Intestine, colon	Mucinous adenocarcinoma	null	T3N0M0
B01	F	72	Intestine, colon	Mucinous adenocarcinoma	null	T3N1M0
B02	F	54	Intestine, colon	Mucinous adenocarcinoma	null	T2N0M0
B03	F	60	Intestine, colon	Mucinous adenocarcinoma	null	T3N1M0
B04	F	61	Intestine, colon	Adenocarcinoma	I	T3N0M0
B05	M	79	Intestine, colon	Adenocarcinoma	I	T3N0M0
B06	M	67	Intestine, colon	Adenocarcinoma	I	T2N0M0
B07	M	65	Intestine, colon	Adenocarcinoma	I	T3N1M0
B08	M	34	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
B09	M	45	Intestine, colon	Adenocarcinoma	I~II	T3N1M0
B10	M	69	Intestine, colon	Adenocarcinoma	II	T2N0M0
B11	F	37	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
B12	M	72	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
B13	M	35	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
C01	F	51	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
C02	F	54	Intestine, colon	Adenocarcinoma	I~II	T3N1M0
C03	M	50	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
C04	M	50	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
C05	M	73	Intestine, colon	Adenocarcinoma	I~II	T4N0M0
C06	F	64	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
C07	M	64	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
C08	M	61	Intestine, colon	Adenocarcinoma	I~II	T3N1M0
C09	F	57	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
C10	M	51	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
C11	F	52	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
C12	F	42	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
C13	M	68	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
D01	M	63	Intestine, colon	Adenocarcinoma	I~II	T3N1M0



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D02	F	38	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
D03	M	70	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
D04	M	78	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
D05	M	54	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
D06	M	54	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
D07	M	75	Intestine, colon	Adenocarcinoma	I~II	T1N0M0
D08	F	64	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
D09	M	49	Intestine, colon	Adenocarcinoma	I~II	T3N1M0
D10	M	48	Intestine, colon	Adenocarcinoma	II	T3N0M0
D11	M	58	Intestine, colon	Adenocarcinoma	II	T2N0M0
D12	F	55	Intestine, colon	Adenocarcinoma	II	T2N1M0
D13	M	70	Intestine, colon	Adenocarcinoma	II	T2N0M0
E01	M	79	Intestine, colon	Adenocarcinoma	II	T2N0M0
E02	M	70	Intestine, colon	Adenocarcinoma	II	T2N0M0
E03	M	78	Intestine, colon	Adenocarcinoma	II	T3N0M0
E04	M	70	Intestine, colon	Adenocarcinoma	II	T3N0M0
E05	F	49	Intestine, colon	Adenocarcinoma	II	T3N1M0
E06	F	49	Intestine, colon	Adenocarcinoma	II	T2N0M0
E07	F	70	Intestine, colon	Adenocarcinoma	II	T2N0M0
E08	F	41	Intestine, colon	Adenocarcinoma	II	T3N0M0
E09	F	41	Intestine, colon	Adenocarcinoma	II	T2N0M0
E10	F	81	Intestine, colon	Adenocarcinoma	II	T3N1M0
E11	F	55	Intestine, colon	Adenocarcinoma	II	T3N1M0
E12	M	67	Intestine, colon	Adenocarcinoma	II	T3N1M0
E13	M	60	Intestine, colon	Adenocarcinoma	II	T3N0M0
F01	F	73	Intestine, colon	Adenocarcinoma	II	T3N0M0
F02	M	71	Intestine, colon	Adenocarcinoma	II	T3N1M0
F03	M	72	Intestine, colon	Adenocarcinoma	II	T3N0M0
F04	M	48	Intestine, colon	Adenocarcinoma	II	T3N0M0
F05	F	29	Intestine, colon	Adenocarcinoma	II	T3N1M0
F06	F	70	Intestine, colon	Adenocarcinoma	II	T3N0M0
F07	M	88	Intestine, colon	Adenocarcinoma	II	T3N1M0
F08	F	59	Intestine, colon	Adenocarcinoma	II	T3N1M0
F09	M	53	Intestine, colon	Adenocarcinoma	II	T2N0M0
F10	M	61	Intestine, colon	Adenocarcinoma	II	T3N1M0
F11	M	73	Intestine, colon	Adenocarcinoma	II	T3N0M0
F12	M	45	Intestine, colon	Adenocarcinoma	II	T3N1M0
F13	M	73	Intestine, colon	Adenocarcinoma	II	T3N0M0
G01	M	56	Intestine, colon	Adenocarcinoma	II	T3N0M0
G02	M	72	Intestine, colon	Adenocarcinoma	II	T3N1M0
G03	M	68	Intestine, colon	Adenocarcinoma	II~III	T2N0M0
G04	F	76	Intestine, colon	Adenocarcinoma	II~III	T2N1M0
G05	M	41	Intestine, colon	Adenocarcinoma	II~III	T2N1M0
G06	F	60	Intestine, colon	Adenocarcinoma	II~III	T3N0M0
G07	M	45	Intestine, colon	Adenocarcinoma	II~III	T3N0M0
G08	F	75	Intestine, colon	Adenocarcinoma	II~III	T3N1M0
G09	F	60	Intestine, colon	Adenocarcinoma	II~III	T3N1M0
G10	M	65	Intestine, colon	Adenocarcinoma	II~III	T3N0M0
G11	M	74	Intestine, colon	Adenocarcinoma	II~III	T3N2M0
G12	M	69	Intestine, colon	Adenocarcinoma	II~III	T3N1M0
H01	M	36	Intestine, colon	Adenocarcinoma	II~III	T3N1M0
H02	F	34	Intestine, colon	Adenocarcinoma	III	T3N0M0
H03	F	53	Intestine, colon	Adenocarcinoma	III	T3N0M0
H04	M	55	Intestine, colon	Adenocarcinoma	III	T3N0M0
H05	M	56	Intestine, colon	Adenocarcinoma	III	T3N1M0
H06	M	76	Intestine, colon	Adenocarcinoma	III	T3N1M0
H07	M	58	Intestine, colon	Adenocarcinoma	III	T4N1M0
H08	M	65	Intestine, colon	Adenocarcinoma	III	T3N2M0
H09	F	75	Intestine, colon	Adenocarcinoma	III	T3N2M0
H10	M	46	Intestine, colon	Adenocarcinoma	III	T3N1M0
H11	F	83	Intestine, colon	Adenocarcinoma	III	T3N0M0
H12	F	66	Intestine, colon	Adenocarcinoma	III	T3N1M0



**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).

## **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