



Cat No: **COC2281 - Colon cancer tissue array**

Lot#	Cores	Size	Cut	Format	QA/QC	Pantomics, Inc.	
COC228101	228	1.1mm	4um	12X19	H&E, IHC anti-Cytokeratin		

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

Description: Colon cancer tissue array containing 8 cases of normal/benign conditions and 220 cases of cancers 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	64	Intestine, colon	Chronic colitis	null	null
A05	M	58	Intestine, colon	Villous adenoma	null	null
A06	M	48	Intestine, colon	Tubular adenoma	null	null
A07	M	29	Intestine, colon	Tubular adenoma	null	null
A08	M	71	Intestine, colon	Polyps	null	null
A09	F	71	Intestine, colon	Adenocarcinoma	II~III	T3N1M0
A10	M	50	Intestine, colon	Adenocarcinoma	III	T2N0M0
A11	M	55	Intestine, colon	Adenocarcinoma	II	T2N1M0
A12	F	72	Intestine, colon	Adenocarcinoma	II	T3N1M0
A13	M	48	Intestine, colon	Adenocarcinoma	II	T3N0M0
A14	M	58	Intestine, colon	Adenocarcinoma	II	T2N0M0
A15	F	70	Intestine, colon	Adenocarcinoma	I	T2N0M0
A16	M	67	Intestine, colon	Papillary adenocarcinoma	null	T3N1M0
A17	F	52	Intestine, colon	Adenocarcinoma	I	T3N0M0
A18	F	61	Intestine, colon	Adenocarcinoma	I	T3N0M0
A19	F	40	Intestine, colon	Mucinous adenocarcinoma	null	T2N0M0
B01	M	34	Intestine, colon	Mucinous adenocarcinoma	null	T2N0M0
B02	M	33	Intestine, colon	Adenocarcinoma	II	T2N0M0
B03	F	72	Intestine, colon	Adenocarcinoma	II	T3N2M0
B04	M	66	Intestine, colon	Adenocarcinoma	II	T3N0M0
B05	M	34	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
B06	F	27	Intestine, colon	Adenocarcinoma	II	T2N1M0
B07	M	65	Intestine, colon	Adenocarcinoma	II	T3N0M0
B08	F	71	Intestine, colon	Adenocarcinoma	II	T3N1M0
B09	M	83	Intestine, colon	Adenocarcinoma	III	T3N0M0
B10	M	69	Intestine, colon	Adenocarcinoma	II	T2N0M0
B11	M	68	Intestine, colon	Adenocarcinoma	II~III	T2N0M0
B12	M	45	Intestine, colon	Adenocarcinoma	I~II	T3N1M0
B13	M	60	Intestine, colon	Adenocarcinoma	II	T2N1M0
B14	M	83	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
B15	F	79	Intestine, colon	Papillary adenocarcinoma	null	T2N0M0
B16	M	52	Intestine, colon	Adenocarcinoma	I	T3N0M0
B17	M	79	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
B18	M	70	Intestine, colon	Adenocarcinoma	I~II	T3N1M0
B19	F	64	Intestine, colon	Adenocarcinoma	II	T2N0M0
C01	M	54	Intestine, colon	Adenocarcinoma	I~II	T2N1M0
C02	M	72	Intestine, colon	Adenocarcinoma	II	T2N0M0



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C03	M	70	Intestine, colon	Adenocarcinoma	I	T2N0M0
C04	M	54	Intestine, colon	Adenocarcinoma	II	T4N2M0
C05	M	42	Intestine, colon	Adenocarcinoma	II	T3N1M0
C06	F	84	Intestine, colon	Adenocarcinoma	II	T3N0M0
C07	M	79	Intestine, colon	Adenocarcinoma	I	T3N0M0
C08	M	69	Intestine, colon	Adenocarcinoma	II	T2N0M0
C09	M	26	Intestine, colon	Adenocarcinoma	II~III	T3N0M0
C10	M	54	Intestine, colon	Adenocarcinoma	III	T3N0M0
C11	F	37	Intestine, colon	Adenocarcinoma	I~II	T3N1M0
C12	M	68	Intestine, colon	Adenocarcinoma	II	T3N0M0
C13	F	76	Intestine, colon	Adenocarcinoma	II~III	T3N1M0
C14	M	45	Intestine, colon	Adenocarcinoma	I~II	T2N1M0
C15	F	34	Intestine, colon	Adenocarcinoma	III	T3N0M0
C16	M	41	Intestine, colon	Adenocarcinoma	III	T3N0M0
C17	M	28	Intestine, colon	Adenocarcinoma	II	T3N0M0
C18	M	45	Intestine, colon	Adenocarcinoma	II~III	T3N1M0
C19	M	74	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
D01	F	80	Intestine, colon	Adenocarcinoma	II	T3N0M0
D02	M	72	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
D03	M	72	Intestine, colon	Adenocarcinoma	II	T3N1M0
D04	F	59	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
D05	M	61	Intestine, colon	Adenocarcinoma	II	T3N1M0
D06	F	66	Intestine, colon	Adenocarcinoma	II	T3N0M0
D07	M	35	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
D08	M	58	Intestine, colon	Adenocarcinoma	II	T2N0M0
D09	F	68	Intestine, colon	Adenocarcinoma	III	T3N2M0
D10	F	51	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
D11	F	55	Intestine, colon	Adenocarcinoma	II	T2N1M0
D12	F	54	Intestine, colon	Adenocarcinoma	I~II	T3N1M0
D13	M	70	Intestine, colon	Adenocarcinoma	II	T2N0M0
D14	F	80	Intestine, colon	Adenocarcinoma	II	T3N0M0
D15	M	55	Intestine, colon	Adenocarcinoma	III	T3N0M0
D16	F	74	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
D17	M	79	Intestine, colon	Adenocarcinoma	II	T2N0M0
D18	M	52	Intestine, colon	Mucinous adenocarcinoma	null	T3N0M0
D19	M	54	Intestine, colon	Adenocarcinoma	I~II	T4N0M0
E01	M	70	Intestine, colon	Adenocarcinoma	II	T2N0M0
E02	M	50	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
E03	M	64	Intestine, colon	Adenocarcinoma	I	T3N0M0
E04	M	53	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
E05	M	42	Intestine, colon	Mucinous adenocarcinoma	null	T3N2M0
E06	F	37	Intestine, colon	Adenocarcinoma	III	T3N0M0
E07	M	78	Intestine, colon	Adenocarcinoma	II	T3N0M0
E08	M	52	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
E09	M	50	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
E10	M	73	Intestine, colon	Adenocarcinoma	I~II	T4N0M0
E11	F	70	Intestine, colon	Adenocarcinoma	II	T2N0M0
E12	M	50	Intestine, colon	Lymphoma, non-Hodgkin lymphoma	null	null
E13	F	52	Intestine, colon	Gastrointestinal stromal tumor, GIST	II	null
E14	M	70	Intestine, colon	Adenocarcinoma	II	T3N0M0
E15	F	77	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
E16	M	67	Intestine, colon	Adenocarcinoma	I	T2N0M0
E17	F	74	Intestine, colon	Mucinous adenocarcinoma	null	T3N1M0
E18	F	64	Intestine, colon	Mucinous adenocarcinoma	null	T3N1M0
E19	F	49	Intestine, colon	Adenocarcinoma	II	T3N1M0
F01	F	49	Intestine, colon	Adenocarcinoma	II	T2N0M0
F02	F	64	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
F03	F	54	Intestine, colon	Adenocarcinoma	I~II	T1N1M0
F04	M	56	Intestine, colon	Adenocarcinoma	II	T1N0M0
F05	F	68	Intestine, colon	Adenocarcinoma	II	T3N0M0
F06	F	51	Intestine, colon	Adenocarcinoma	II	T3N0M0

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F07	F	68	Intestine, colon	Adenocarcinoma	I~II	T2N1M0
F08	M	64	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
F09	F	55	Intestine, colon	Mucinous adenocarcinoma	null	T3N0M0
F10	F	76	Intestine, colon	Adenocarcinoma	II~III	T2N1M0
F11	F	70	Intestine, colon	Adenocarcinoma	II	T2N0M0
F12	F	42	Intestine, colon	Adenocarcinoma	I	T3N0M0
F13	M	43	Intestine, colon	Adenocarcinoma	II~III	T4N1M0
F14	M	41	Intestine, colon	Adenocarcinoma	II~III	T2N1M0
F15	M	60	Intestine, colon	Adenocarcinoma	II	T2N0M0
F16	M	46	Intestine, colon	Adenocarcinoma	II~III	T3N1M0
F17	F	60	Intestine, colon	Adenocarcinoma	II~III	T3N0M0
F18	F	41	Intestine, colon	Adenocarcinoma	II	T3N0M0
F19	F	68	Intestine, colon	Adenocarcinoma	II	T3N0M0
G01	M	61	Intestine, colon	Adenocarcinoma	I~II	T3N1M0
G02	M	62	Intestine, colon	Adenocarcinoma	I~II	T3N2M0
G03	M	63	Intestine, colon	Adenocarcinoma	I~II	T3N1M0
G04	M	76	Intestine, colon	Adenocarcinoma	II	T2N0M0
G05	F	57	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
G06	F	69	Intestine, colon	Adenocarcinoma	II	T3N1M0
G07	M	69	Intestine, colon	Adenocarcinoma	III	T3N2M0
G08	F	41	Intestine, colon	Adenocarcinoma	II	T2N0M0
G09	M	38	Intestine, colon	Adenocarcinoma	II	T3N1M0
G10	M	51	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
G11	F	52	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
G12	F	53	Intestine, colon	Adenocarcinoma	II~III	T3N0M0
G13	F	42	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
G14	M	80	Intestine, colon	Adenocarcinoma	II	T3N0M0
G15	M	45	Intestine, colon	Adenocarcinoma	II~III	T3N0M0
G16	M	50	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
G17	M	63	Intestine, colon	Adenocarcinoma	I~II	T3N1M0
G18	M	45	Intestine, colon	Adenocarcinoma	I~II	T3N1M0
G19	M	56	Intestine, colon	Adenocarcinoma	II	T3N1M0
H01	M	73	Intestine, colon	Adenocarcinoma	II	T3N2M0
H02	M	43	Intestine, colon	Adenocarcinoma	II	T3N0M0
H03	F	75	Intestine, colon	Adenocarcinoma	II~III	T3N1M0
H04	F	81	Intestine, colon	Adenocarcinoma	II	T3N1M0
H05	M	70	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
H06	M	68	Intestine, colon	Lymphoma, non-Hodgkin B cell lymphoma	null	null
H07	F	56	Intestine, colon	Adenocarcinoma	II	T3N2M0
H08	F	60	Intestine, colon	Adenocarcinoma	II~III	T3N1M0
H09	M	66	Intestine, colon	Adenocarcinoma	II	T3N0M0
H10	M	56	Intestine, colon	Adenocarcinoma	III	T3N1M0
H11	F	55	Intestine, colon	Adenocarcinoma	II	T3N1M0
H12	M	67	Intestine, colon	Adenocarcinoma	II	T3N1M0
H13	F	73	Intestine, colon	Adenocarcinoma	II	T3N0M0
H14	F	48	Intestine, colon	Adenocarcinoma	III	T3N2M0
H15	F	43	Intestine, colon	Mucinous adenocarcinoma	null	T2N0M0
H16	M	71	Intestine, colon	Adenocarcinoma	II	T3N1M0
H17	F	62	Intestine, colon	Adenocarcinoma	I~II	T3N2M0
H18	M	76	Intestine, colon	Adenocarcinoma	III	T3N1M0
H19	M	42	Intestine, colon	Adenocarcinoma	II	T3N1M0
I01	F	73	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
I02	M	65	Intestine, colon	Adenocarcinoma	I~II	T3N1M0
I03	M	74	Intestine, colon	Adenocarcinoma	II	T3N0M0
I04	M	78	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
I05	M	31	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
I06	F	77	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
I07	M	48	Intestine, colon	Adenocarcinoma	II~III	T3N1M0
I08	M	80	Intestine, colon	Adenocarcinoma	II	T3N0M0
I09	F	37	Intestine, colon	Adenocarcinoma	III	T3N0M0
I10	M	54	Intestine, colon	Adenocarcinoma	I~II	T3N0M0



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I11	M	71	Intestine, colon	Papillary adenocarcinoma	null	T3N0M0
I12	M	72	Intestine, colon	Adenocarcinoma	II	T3N0M0
I13	M	65	Intestine, colon	Adenocarcinoma	II~III	T3N0M0
I14	M	58	Intestine, colon	Adenocarcinoma	III	T4N1M0
I15	M	64	Intestine, colon	Adenocarcinoma	II	T3N0M0
I16	M	62	Intestine, colon	Adenocarcinoma	I~II	T3N1M0
I17	M	79	Intestine, colon	Adenocarcinoma	II	T2N0M0
I18	F	69	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
I19	M	54	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
J01	F	69	Intestine, colon	Papillary adenocarcinoma	null	T3N0M0
J02	M	71	Intestine, colon	Adenocarcinoma	I~II	T3N1M0
J03	F	73	Intestine, colon	Adenocarcinoma	II	T3N1M0
J04	M	59	Intestine, colon	Lymphoma, diffuse large B cell lymphoma	null	null
J05	M	65	Intestine, colon	Adenocarcinoma	I	T3N1M0
J06	M	75	Intestine, colon	Adenocarcinoma	II	T3N0M0
J07	F	62	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
J08	F	55	Intestine, colon	Adenocarcinoma	II~III	T3N0M0
J09	F	70	Intestine, colon	Adenocarcinoma	II	T3N0M0
J10	F	63	Intestine, colon	Papillary adenocarcinoma	II	T1N0M0
J11	F	55	Intestine, colon	Papillary adenocarcinoma	II	T3N0M0
J12	F	70	Intestine, colon	Adenocarcinoma	III	T3N0M0
J13	M	78	Intestine, colon	Adenocarcinoma	I~II	T4N1M0
J14	M	59	Intestine, colon	Mucinous adenocarcinoma	null	T3N1M0
J15	M	68	Intestine, colon	Adenocarcinoma	II	T3N1M0
J16	M	48	Intestine, colon	Adenocarcinoma	II	T3N0M0
J17	F	72	Intestine, colon	Mucinous adenocarcinoma	null	T3N1M0
J18	F	65	Intestine, colon	Adenocarcinoma	II	T3N0M0
J19	F	29	Intestine, colon	Adenocarcinoma	II	T3N1M0
K01	F	75	Intestine, colon	Papillary adenocarcinoma	null	T3N0M0
K02	F	58	Intestine, colon	Adenocarcinoma	II~III	T2N1M0
K03	M	36	Intestine, colon	Gastrointestinal stromal tumor, GIST	null	null
K04	M	75	Intestine, colon	Adenocarcinoma	I~II	T1N0M0
K05	F	70	Intestine, colon	Adenocarcinoma	II	T3N0M0
K06	F	65	Intestine, colon	Adenocarcinoma	II	T3N0M0
K07	F	49	Intestine, colon	Adenocarcinoma	II	T2N1M0
K08	M	69	Intestine, colon	Adenocarcinoma	II~III	T2N0M0
K09	F	54	Intestine, colon	Mucinous adenocarcinoma	null	T2N0M0
K10	F	60	Intestine, colon	Mucinous adenocarcinoma	null	T3N1M0
K11	M	84	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
K12	F	65	Intestine, colon	Adenocarcinoma	II	T2N1M0
K13	M	83	Intestine, colon	Adenocarcinoma	I~II	T3N0M0
K14	F	32	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
K15	F	42	Intestine, colon	Adenocarcinoma	I	T2N0M0
K16	M	71	Intestine, colon	Adenocarcinoma	II~III	T3N0M0
K17	M	61	Intestine, colon	Adenocarcinoma	II~III	T3N0M0
K18	F	36	Intestine, colon	Undifferentiated carcinoma	null	T3N0M0
K19	M	59	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
L01	M	88	Intestine, colon	Adenocarcinoma	II	T3N1M0
L02	M	65	Intestine, colon	Adenocarcinoma	III	T3N2M0
L03	F	75	Intestine, colon	Adenocarcinoma	III	T3N2M0
L04	M	51	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
L05	M	68	Intestine, colon	Mucinous adenocarcinoma	null	T2N0M0
L06	F	54	Intestine, colon	Mucinous adenocarcinoma	null	T2N0M0
L07	F	64	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
L08	F	59	Intestine, colon	Adenocarcinoma	II	T3N1M0
L09	M	53	Intestine, colon	Adenocarcinoma	II	T2N0M0
L10	M	74	Intestine, colon	Adenocarcinoma	II~III	T3N2M0
L11	F	78	Intestine, colon	Adenocarcinoma	III	T3N0M0
L12	F	45	Intestine, colon	Adenocarcinoma	I~II	T3N1M0
L13	M	45	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
L14	M	45	Intestine, colon	Adenocarcinoma	II	T2N0M0



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L15	M	31	Intestine, colon	Adenocarcinoma	I~II	T2N1M0
L16	M	66	Intestine, colon	Adenocarcinoma	II	T3N1M0
L17	F	67	Intestine, colon	Adenocarcinoma	I~II	T2N0M0
L18	M	52	Intestine, colon	Adenocarcinoma	I~II	T3N1M0
L19	F	75	Intestine, colon	Adenocarcinoma	I~II	T3N0M0

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.

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