



Cat No: **COC1502 – Colon cancer tissue array**

Lot#	Cores	Size	Cut	Format	QA/QC	
COC150201	150	1.1mm	4um	10X15	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, non-overlapping with COC1501, 150 cores including 75 cases of normal, reactive and cancerous (different grades & stages) tissues of the colon in duplicates. 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 all have a guaranteed six months' shelf-life at 4C from the date of shipment. Each slide has >95% tissue core retention.

Array position	Age	Sex	Anatomic site	Histology	Grade	Stage (TNM)
A1,B1	54	F	Colon	Normal		
A2,B2	48	M	Colon	Polyps		
A3,B3	63	M	Colon	Adenoma		
A4,B4	55	M	Colon	Adenoma		
A5,B5	24	M	Colon	Adenoma		
A6,B6	51	M	Colon	Adenocarcinoma	II	T3N0M0
A7,B7	55	F	Colon	Adenocarcinoma	III	T3N0M0
A8,B8	79	F	Colon	Adenocarcinoma	I	T2N0M0
A9,B9	49	F	Colon	Adenocarcinoma	II	T3N1M0
A10,B10	71	F	Colon	Adenocarcinoma	I~II	T2N0M0
A11,B11	71	F	Colon	Adenocarcinoma	II	T2N0M0
A12,B12	64	F	Colon	Adenocarcinoma	II	T3N1M0
A13,B13	69	M	Colon	Adenocarcinoma	II	T2N0M0
A14,B14	41	F	Colon	Undifferentiated carcinoma		T2N0M0
A15,B15	62	F	Colon	Adenocarcinoma	I~II	T2N1M0
C1,D1	37	M	Colon	Adenocarcinoma	II	T2N0M0
C2,D2	55	M	Colon	Mucinous adenocarcinoma		T3N1M0
C3,D3	46	F	Colon	Adenocarcinoma	I	T2N0M0
C4,D4	62	M	Colon	Adenocarcinoma	I	T2N0M0
C5,D5	50	M	Colon	Adenocarcinoma	II	T2N0M0
C6,D6	64	F	Colon	Adenocarcinoma	I~II	T3N0M0
C7,D7	52	M	Colon	Adenocarcinoma	I~II	T3N1M0
C8,D8	69	F	Colon	Adenocarcinoma	II	T3N0M0
C9,D9	89	M	Colon	Adenocarcinoma	II	T2N0M0
C10,D10	43	M	Colon	Adenocarcinoma	II	T2N0M0
C11,D11	33	F	Colon	Adenocarcinoma	II	T2N0M0
C12,D12	71	M	Colon	Adenocarcinoma	II	T3N2M0
C13,D13	75	F	Colon	Adenocarcinoma	II	T3N1M0
C14,D14	70	M	Colon	Adenocarcinoma	II	T3N1M0
C15,D15	60	M	Colon	Adenocarcinoma	II	T2N0M0
E1,F1	56	M	Colon	Adenocarcinoma	I	T3N0M0
E2,F2	33	F	Colon	Adenocarcinoma	II	T3N1M0
E3,F3	64	F	Colon	Adenocarcinoma	II	T2N0M0
E4,F4	59	F	Colon	Adenocarcinoma	II	T2N0M0
E5,F5	39	M	Colon	Adenocarcinoma	II	T3N0M0



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E6,F6	51	M	Colon	Adenocarcinoma	II-III	T2N0M0
E7,F7	63	M	Colon	Adenocarcinoma	III	T3N0M0
E8,F8	64	F	Colon	Adenocarcinoma	II	T3N0M0
E9,F9	82	F	Colon	Adenocarcinoma	II-III	T2N1M0
E10,F10	32	M	Colon	Adenocarcinoma	II	T3N0M0
E11,F11	72	F	Colon	Adenocarcinoma	II	T3N0M0
E12,F12	66	M	Colon	Mucinous adenocarcinoma		T3N1M0
E13,F13	58	F	Colon	Adenocarcinoma	III	T4N1M1
E14,F14	36	M	Colon	Adenocarcinoma	I	T2N0M0
E15,F15	34	M	Colon	Papillary adenocarcinoma		T2N0M0
G1,H1	54	F	Colon	Adenocarcinoma	III	T3N2M0
G2,H2	34	M	Colon	Adenocarcinoma	I~II	T3N0M0
G3,H3	27	F	Colon	Adenocarcinoma	II	T2N1M0
G4,H4	64	F	Colon	Adenocarcinoma	II	T2N0M0
G5,H5	64	M	Colon	Adenocarcinoma	II	T2N0M0
G6,H6	70	M	Colon	Adenocarcinoma	I	T2N0M0
G7,H7	43	F	Colon	Adenocarcinoma	II	T3N0M0
G8,H8	54	M	Colon	Adenocarcinoma	II	T2N0M0
G9,H9	26	M	Colon	Adenocarcinoma	II-III	T3N0M0
G10,H10	37	F	Colon	Adenocarcinoma	I~II	T3N0M0
G11,H11	63	M	Colon	Adenocarcinoma	I~II	T3N1M0
G12,H12	45	M	Colon	Adenocarcinoma	II	T2N1M0
G13,H13	74	F	Colon	Adenocarcinoma	III	T3N1M0
G14,H14	41	M	Colon	Adenocarcinoma	III	T3N0M0
G15,H15	54	M	Colon	Adenocarcinoma	I~II	T2N0M0
I1,J1	61	M	Colon	Adenocarcinoma	II	T3N1M0
I2,J2	51	F	Colon	Adenocarcinoma	II	T2N0M0
I3,J3	55	F	Colon	Adenocarcinoma	I~II	T2N1M0
I4,J4	54	F	Colon	Adenocarcinoma	I~II	T3N1M0
I5,J5	61	F	Colon	Adenocarcinoma	I~II	T3N0M0
I6,J6	88	F	Colon	Adenocarcinoma	II-III	T3N0M0
I7,J7	64	M	Colon	Adenocarcinoma	I	T3N0M0
I8,J8	48	M	Colon	Adenocarcinoma	III	T3N0M0
I9,J9	52	M	Colon	Adenocarcinoma	I~II	T3N0M0
I10,J10	73	M	Colon	Adenocarcinoma	I~II	T2N0M1
I11,J11	57	F	Colon	Adenocarcinoma	II	T3N1M0
I12,J12	70	M	Colon	Adenocarcinoma	II	T3N0M0
I13,J13	67	M	Colon	Adenocarcinoma	I	T2N0M0
I14,J14	52	F	Colon	Mucinous adenocarcinoma		T3N0M0
I15,J15	64	F	Colon	Mucinous adenocarcinoma		T3N0M0

Notes: Bake at 60C for 30 minutes before use. If antigen retrieving is needed, it is always a good idea to start with a protocol with weak to mild strength.

Certified by: Langxing Pan, M.D.



TNM Classification: Colon and Rectum Carcinoma

T - Primary tumor

TX - Primary tumor cannot be assessed

T0 - 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

N0 - 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

M0 - No distant metastasis

M1 - Distant metastasis