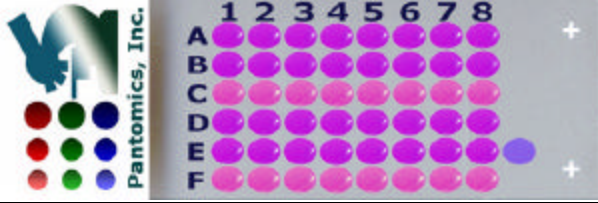


Cat No: **COC481** – Colon cancer/adjacent uninvolved tissue array

Lot#	Cores	Size	Cut	Format	QA/QC
COC48101	48	2mm	4um	6X8	H&E, IHC anti-Cytokeratin



Recommended applications: For Research use only. Designed for colon normal vs cancer RNA or protein tissue profiling using IHC or ISH. Duplicated tumor tissues from each case are arrayed to minimize heterogeneity.

Description: 16 cases of colon cancer (purple), each in duplicates, with corresponding uninvolved tissue (pink) from the same patient as control. 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	Sex	Age	Pathology	Stage (TNM)	Anatomic site
A1,B1	F	60	Adenocarcinoma grade I~II	T2N1M1	Colon
C1	F	60	Uninvolved colon tissue of A1,B1	-	Colon
A2,B2	F	85	Adenocarcinoma grade I~II	T2N0M0	Colon
C2	F	85	Uninvolved colon tissue of A2,B2	-	Colon
A3,B3	F	43	Adenocarcinoma grade I~II	T2N0M0	Colon
C3	F	43	Uninvolved colon tissue of A3,B3	-	Colon
A4,B4	M	51	Adenocarcinoma grade II	T3N0M0	Colon
C4	M	51	Uninvolved colon tissue of A4,B4	-	Colon
A5,B5	M	65	Adenocarcinoma grade II~III	T3N0M0	Colon
C5	M	65	Uninvolved colon tissue of A5,B5	-	Colon
A6,B6	F	48	Adenocarcinoma grade II~III	T3N1M0	Colon
C6	F	48	Uninvolved colon tissue of A6,B6	-	Colon
A7,B7	F	74	Adenocarcinoma grade II	T3N1M0	Colon
C7	F	74	Uninvolved colon tissue of A7,B7	-	Colon
A8,B8	F	43	Adenocarcinoma grade II	T3N1M0	Colon
C8	F	43	Uninvolved colon tissue of A8,B8	-	Colon
D1,E1	M	36	Adenocarcinoma grade III	T3N1M0	Colon
F1	M	36	Uninvolved colon tissue of D1,E1	-	Colon
D2,E2	M	47	Adenocarcinoma grade III	T3N2M0	Colon
F2	M	47	Uninvolved colon tissue of D2,E2	-	Colon
D3,E3	F	53	Adenocarcinoma grade III	T2N0M0	Colon
F3	F	53	Uninvolved colon tissue of D3,E3	-	Colon
D4,E4	F	53	Adenocarcinoma grade III	T3N2M0	Colon
F4	F	53	Uninvolved colon tissue of D4,E4	-	Colon
D5,E5	M	72	Adenocarcinoma grade III	T2N0M0	Colon
F5	M	72	Uninvolved colon tissue of D5,E5	-	Colon
D6,E6	M	36	Adenocarcinoma grade III~IV	T2N1M0	Colon
F6	M	36	Uninvolved colon tissue of D6,E6	-	Colon
D7,E7	F	60	Adenocarcinoma grade III~IV	T3N2M0	Colon
F7	F	60	Uninvolved colon tissue of D7,E7	-	Colon
D8,E8	M	35	Adenocarcinoma grade III~IV	T4N2M1	Colon
F8	M	35	Uninvolved colon tissue of D8,E8	-	Colon

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

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