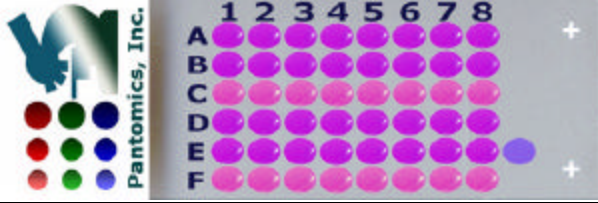


Cat No: REC481 – Rectal cancer/adjacent uninvolved tissue array

Lot#	Cores	Size	Cut	Format	QA/QC
REC 48101	48	2mm	4um	6X8	H&E, IHC anti-Cytokeratin



Recommended applications: For research use only. Designed for rectum 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 rectal cancer (purple), each in duplicates, with corresponding uninvolved tissues (pink) from the same patients as controls. 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	M	51	Adenocarcinoma grade I – II	T1NOMO	Rectum
C1	M	51	Uninvolved Rectum tissue of A1,B1	-	Rectum
A2,B2	F	71	Adenocarcinoma grade I – II	T2NOMO	Rectum
C2	F	71	Uninvolved Rectum tissue of A2,B2	-	Rectum
A3,B3	M	56	Adenocarcinoma grade I – II	T2NOMO	Rectum
C3	M	56	Uninvolved Rectum tissue of A3,B3	-	Rectum
A4,B4	M	66	Adenocarcinoma grade II	T2NOMO	Rectum
C4	M	66	Uninvolved Rectum tissue of A4,B4	-	Rectum
A5,B5	M	71	Adenocarcinoma grade II	T3NOMO	Rectum
C5	M	71	Uninvolved Rectum tissue of A5,B5	-	Rectum
A6,B6	F	62	Adenocarcinoma grade II	T2NOMO	Rectum
C6	F	62	Uninvolved Rectum tissue of A6,B6	-	Rectum
A7,B7	F	53	Adenocarcinoma grade II	T3NOMO	Rectum
C7	F	53	Uninvolved Rectum tissue of A7,B7	-	Rectum
A8,B8	M	65	Adenocarcinoma grade II ~ III	T3NOMO	Rectum
C8	M	65	Uninvolved Rectum tissue of A8,B8	-	Rectum
D1,E1	M	51	Adenocarcinoma grade II ~ III	T3N1MO	Rectum
F1	M	51	Uninvolved Rectum tissue of D1,E1	-	Rectum
D2,E2	F	63	Adenocarcinoma grade II ~ III	T2NOMO	Rectum
F2	F	63	Uninvolved Rectum tissue of D2,E2	-	Rectum
D3,E3	F	32	Adenocarcinoma grade II ~ III	T2NOMO	Rectum
F3	F	32	Uninvolved Rectum tissue of D3,E3	-	Rectum
D4,E4	F	50	Adenocarcinoma grade II ~ III	T3NOMO	Rectum
F4	F	50	Uninvolved Rectum tissue of D4,E4	-	Rectum
D5,E5	F	63	Adenocarcinoma grade III	T3NOMO	Rectum
F5	F	63	Uninvolved Rectum tissue of D5,E5	-	Rectum
D6,E6	M	60	Adenocarcinoma grade III	T3N1MO	Rectum
F6	M	60	Uninvolved Rectum tissue of D6,E6	-	Rectum
D7,E7	F	50	Adenocarcinoma grade III	T3N1MO	Rectum
F7	F	50	Uninvolved Rectum tissue of D7,E7	-	Rectum
D8,E8	M	50	Adenocarcinoma grade III	T2NOMO	Rectum
F8	M	50	Uninvolved Rectum tissue of D8,E8	-	Rectum

Notes: Please bake the slides 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: Fancal Li, 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