



Cat No: **REC961** - Rectum cancer tissue array

Lot#	Cores	Size	Cut	Format	QA/QC		
REC96101	96	1.5mm	4um	12X8	H&E, IHC anti-Cytokeratin		

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

Description: Rectal cancer tissue array, 96 cores including 36 cases (purple/blue) of rectal cancers and 12 cases of normal, inflammatory and benign tumor tissues of the rectum (pink) 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)	Image
A1,B1	47	M	Rectum	Normal			
A2,B2	73	F	Rectum	Normal			
A3,B3	52	M	Rectum	Normal			
A4,B4	40	M	Rectum	Chronic enteritis			
A5,B5	3	F	Rectum	Polyp			
A6,B6	4	M	Rectum	Juvenile polyp			
A7,B7	4	M	Rectum	Juvenile polyp			
A8,B8	7	F	Rectum	Tubular adenoma			
A9,B9	53	F	Rectum	Tubular adenoma			
A10,B10	43	F	Rectum	Tubular adenoma			
A11,B11	62	M	Rectum	Villous adenoma			
A12,B12	68	F	Rectum	Villous adenoma			
C1,D1	55	M	Rectum	Adenocarcinoma	I	T3N1M0	
C2,D2	50	M	Rectum	Adenocarcinoma	I	T2N0M0	
C3,D3	50	F	Rectum	Adenocarcinoma	I	T3N1M0	
C4,D4	40	M	Rectum	Adenocarcinoma	I	T2N0M0	
C5,D5	73	F	Rectum	Adenocarcinoma	I	T3N1M0	
C6,D6	59	F	Rectum	Adenocarcinoma	II	T2N0M0	
C7,D7	59	M	Rectum	Adenocarcinoma	II	T2N0M0	
C8,D8	73	M	Rectum	Adenocarcinoma	II	T2N0M0	
C9,D9	50	M	Rectum	Adenocarcinoma	II	T3N1M0	
C10,D10	61	M	Rectum	Adenocarcinoma	II	T2N0M0	
C11,D11	31	M	Rectum	Adenocarcinoma	II	T3N1M0	
C12,D12	72	F	Rectum	Adenocarcinoma	II	T2N0M0	
E1,F1	79	M	Rectum	Adenocarcinoma	II	T2N0M0	
E2,F2	70	M	Rectum	Adenocarcinoma	II	T3N1M0	
E3,F3	57	M	Rectum	Adenocarcinoma	II	T2N0M0	
E4,F4	83	M	Rectum	Adenocarcinoma	II	T3N1M0	
E5,F5	60	F	Rectum	Adenocarcinoma	II	T3N1M0	
E6,F6	54	F	Rectum	Adenocarcinoma	II	T3N1M0	
E7,F7	89	F	Rectum	Adenocarcinoma	II	T2N0M0	
E8,F8	49	F	Rectum	Adenocarcinoma	II	T2N0M0	
E9,F9	63	F	Rectum	Adenocarcinoma	II	T2N0M0	
E10,F10	49	M	Rectum	Adenocarcinoma	II	T2N0M0	



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E11,F11	34	F	Rectum	Adenocarcinoma	III	T3N1M0	
E12,F12	49	M	Rectum	Adenocarcinoma	III	T3N1M0	
G1,H1	52	F	Rectum	Adenocarcinoma	III	T2N0M0	
G2,H2	67	M	Rectum	Adenocarcinoma	III	T2N0M0	
G3,H3	65	F	Rectum	Adenocarcinoma	III	T3N1M0	
G4,H4	44	M	Rectum	Adenocarcinoma	III	T2N0M0	
G5,H5	28	M	Rectum	Adenocarcinoma	III	T3N1M0	
G6,H6	50	M	Rectum	Adenocarcinoma	III	T3N1M0	
G7,H7	29	F	Rectum	Adenocarcinoma	III	T2N0M0	
G8,H8	39	M	Rectum	Adenocarcinoma	III	T3N1M0	
G9,H9	44	M	Rectum	Adenocarcinoma	IV	T2N0M0	
G10,H10	64	F	Rectum	Mucinous adenocarcinoma		T3N1M0	
G11,H11	81	M	Rectum	Mucinous adenocarcinoma		T3N1M0	
G12,H12	24	M	Rectum	Non Hodgkin's lymphoma			

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: 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