

Data Sheet

Product Name: Rectum Tumor Tissue Array - 96 cores, 48 cases from normal, premalignant and cancer tissues with progressive grades and TNM stages in duplicates.

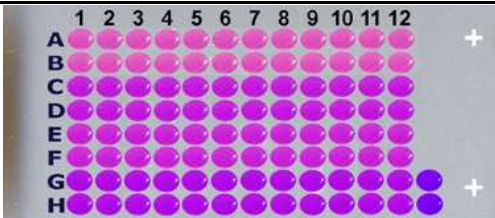
Catalog No.: Z7020044

Lot No.: B508143

Species: Human Mouse Rat Monkey Plant Cell line

Tissue Type: Normal Adult Fetal Tumor Disease

Tissue Array Diagram:

Cores	Size	Cut	Format	QA/QC	
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: Rectum cancer tissue array, set 2, non-overlapping with Z7020043, 96 cores, 48 cases from normal, premalignant and cancer tissues with progressive grades and TNM stages 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 >90% tissue core retention.

Position	Sex	Age	Anatomic Site	Pathology	Nature	Grade	Stage (TNM)
A01	M	58	Intestine, rectum	Normal	Normal		
A02	M	50	Intestine, rectum	Normal	Normal		
A03	M	68	Intestine, rectum	Normal	Normal		
A04	M	4	Intestine, rectum	Juvenile polyps	Benign		
A05	F	68	Intestine, rectum	Adenoma, villous adenoma	Benign		
A06	M	63	Intestine, rectum	Adenoma	Benign		
A07	M	68	Intestine, rectum	Villous adenoma	Benign		
A08	M	62	Intestine, rectum	Villous adenoma	Benign		
A09	F	56	Intestine, rectum	Villous adenoma	Benign		
A10	M	50	Intestine, rectum	Gastrointestinal stromal tumor, GIST	Malignant	III	
A11	F	71	Intestine, rectum	Gastrointestinal stromal tumor, GIST	Malignant		
A12	M	65	Intestine, rectum	Adenoma	Benign		
B01	M	58	Intestine, rectum	Normal	Normal		
B02	M	50	Intestine, rectum	Normal	Normal		
B03	M	68	Intestine, rectum	Normal	Normal		
B04	M	4	Intestine, rectum	Juvenile polyps	Benign		
B05	F	68	Intestine, rectum	Adenoma, villous adenoma	Benign		
B06	M	63	Intestine, rectum	Adenoma	Benign		
B07	M	68	Intestine, rectum	Villous adenoma	Benign		
B08	M	62	Intestine, rectum	Villous adenoma	Benign		
B09	F	56	Intestine, rectum	Villous adenoma	Benign		
B10	M	50	Intestine, rectum	Gastrointestinal stromal tumor, GIST	Malignant	III	
B11	F	71	Intestine, rectum	Gastrointestinal stromal tumor, GIST	Malignant		

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B12	M	65	Intestine, rectum	Adenoma	Benign		
C01	M	49	Intestine, rectum	Papillary adenocarcinoma	Malignant		T2N0M0
C02	M	73	Intestine, rectum	Papillary adenocarcinoma	Malignant		T2N1M0
C03	M	58	Intestine, rectum	Papillary adenocarcinoma	Malignant		T1N0M0
C04	M	53	Intestine, rectum	Adenocarcinoma	Malignant	I	T2N0M0
C05	M	74	Intestine, rectum	Adenocarcinoma	Malignant	I~II	T2N0M0
C06	M	52	Intestine, rectum	Adenocarcinoma	Malignant	I~II	T2N0M0
C07	M	65	Intestine, rectum	Adenocarcinoma	Malignant	I~II	T3N0M0
C08	M	36	Intestine, rectum	Adenocarcinoma	Malignant	I~II	T3N1M0
C09	M	72	Intestine, rectum	Adenocarcinoma	Malignant	I~II	T3N0M0
C10	F	51	Intestine, rectum	Adenocarcinoma	Malignant	I~II	T3N1M0
C11	M	32	Intestine, rectum	Adenocarcinoma	Malignant	I~II	T3N1M0
C12	F	93	Intestine, rectum	Adenocarcinoma	Malignant	I~II	T3N1M0
D01	M	49	Intestine, rectum	Papillary adenocarcinoma	Malignant		T2N0M0
D02	M	73	Intestine, rectum	Papillary adenocarcinoma	Malignant		T2N1M0
D03	M	58	Intestine, rectum	Papillary adenocarcinoma	Malignant		T1N0M0
D04	M	53	Intestine, rectum	Adenocarcinoma	Malignant	I	T2N0M0
D05	M	74	Intestine, rectum	Adenocarcinoma	Malignant	I~II	T2N0M0
D06	M	52	Intestine, rectum	Adenocarcinoma	Malignant	I~II	T2N0M0
D07	M	65	Intestine, rectum	Adenocarcinoma	Malignant	I~II	T3N0M0
D08	M	36	Intestine, rectum	Adenocarcinoma	Malignant	I~II	T3N1M0
D09	M	72	Intestine, rectum	Adenocarcinoma	Malignant	I~II	T3N0M0
D10	F	51	Intestine, rectum	Adenocarcinoma	Malignant	I~II	T3N1M0
D11	M	32	Intestine, rectum	Adenocarcinoma	Malignant	I~II	T3N1M0
D12	F	93	Intestine, rectum	Adenocarcinoma	Malignant	I~II	T3N1M0
E01	M	58	Intestine, rectum	Adenocarcinoma	Malignant	II	T3N2M0
E02	M	73	Intestine, rectum	Adenocarcinoma	Malignant	II	T2N1M0
E03	F	42	Intestine, rectum	Adenocarcinoma	Malignant	II	T3N1M0
E04	M	61	Intestine, rectum	Adenocarcinoma	Malignant	II	T2N0M0
E05	M	55	Intestine, rectum	Adenocarcinoma	Malignant	II	T3N0M1
E06	M	60	Intestine, rectum	Adenocarcinoma	Malignant	II	T2N0M0
E07	M	48	Intestine, rectum	Adenocarcinoma	Malignant	II	T2N0M0
E08	F	74	Intestine, rectum	Adenocarcinoma	Malignant	II	T2N1M0
E09	M	42	Intestine, rectum	Adenocarcinoma	Malignant	II	T2N0M0
E10	F	66	Intestine, rectum	Adenocarcinoma	Malignant	II	T3N2M0
E11	F	40	Intestine, rectum	Adenocarcinoma	Malignant	II	T3N0M0
E12	F	43	Intestine, rectum	Adenocarcinoma	Malignant	II	T3N1M0
F01	M	58	Intestine, rectum	Adenocarcinoma	Malignant	II	T3N2M0
F02	M	73	Intestine, rectum	Adenocarcinoma	Malignant	II	T2N1M0
F03	F	42	Intestine, rectum	Adenocarcinoma	Malignant	II	T3N1M0
F04	M	61	Intestine, rectum	Adenocarcinoma	Malignant	II	T2N0M0
F05	M	55	Intestine, rectum	Adenocarcinoma	Malignant	II	T3N0M1
F06	M	60	Intestine, rectum	Adenocarcinoma	Malignant	II	T2N0M0
F07	M	48	Intestine, rectum	Adenocarcinoma	Malignant	II	T2N0M0
F08	F	74	Intestine, rectum	Adenocarcinoma	Malignant	II	T2N1M0
F09	M	42	Intestine, rectum	Adenocarcinoma	Malignant	II	T2N0M0
F10	F	66	Intestine, rectum	Adenocarcinoma	Malignant	II	T3N2M0
F11	F	40	Intestine, rectum	Adenocarcinoma	Malignant	II	T3N0M0
F12	F	43	Intestine, rectum	Adenocarcinoma	Malignant	II	T3N1M0
G01	M	45	Intestine, rectum	Adenocarcinoma	Malignant	II	T3N0M0
G02	F	68	Intestine, rectum	Adenocarcinoma	Malignant	II	T2N0M0
G03	M	66	Intestine, rectum	Adenocarcinoma	Malignant	II	T2N1M0
G04	F	57	Intestine, rectum	Adenocarcinoma	Malignant	II	T2N0M0
G05	M	83	Intestine, rectum	Adenocarcinoma	Malignant	II	T3N1M0
G06	M	33	Intestine, rectum	Adenocarcinoma	Malignant	II	T3N1M0
G07	M	52	Intestine, rectum	Adenocarcinoma	Malignant	II~III	T3N1M0
G08	M	54	Intestine, rectum	Adenocarcinoma	Malignant	II~III	T3N0M0

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G09	M	75	Intestine, rectum	Adenocarcinoma	Malignant	II~III	T2N1M0
G10	F	68	Intestine, rectum	Adenocarcinoma	Malignant	II~III	T3N1M0
G11	M	62	Intestine, rectum	Adenocarcinoma	Malignant	III	T2N1M0
G12	F	34	Intestine, rectum	Signet ring cell carcinoma	Malignant		T3N1M0
H01	M	45	Intestine, rectum	Adenocarcinoma	Malignant	II	T3N0M0
H02	F	68	Intestine, rectum	Adenocarcinoma	Malignant	II	T2N0M0
H03	M	66	Intestine, rectum	Adenocarcinoma	Malignant	II	T2N1M0
H04	F	57	Intestine, rectum	Adenocarcinoma	Malignant	II	T2N0M0
H05	M	83	Intestine, rectum	Adenocarcinoma	Malignant	II	T3N1M0
H06	M	33	Intestine, rectum	Adenocarcinoma	Malignant	II	T3N1M0
H07	M	52	Intestine, rectum	Adenocarcinoma	Malignant	II~III	T3N1M0
H08	M	54	Intestine, rectum	Adenocarcinoma	Malignant	II~III	T3N0M0
H09	M	75	Intestine, rectum	Adenocarcinoma	Malignant	II~III	T2N1M0
H10	F	68	Intestine, rectum	Adenocarcinoma	Malignant	II~III	T3N1M0
H11	M	62	Intestine, rectum	Adenocarcinoma	Malignant	III	T2N1M0
H12	F	34	Intestine, rectum	Signet ring cell carcinoma	Malignant		T3N1M0

Notes: Please bake the slides at 60°C 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.

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

FOR IN VITRO RESEARCH USE ONLY

APPROVED BY: _____

