
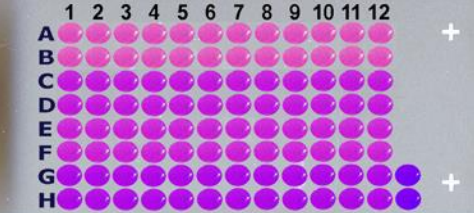


Cat No: REM961– Rectum cancer tissue array paired with metastasis, 48 cases (1.5mm)

Lot#	Cores	Size	Cut	Format	QA/QC	Pantomics, Inc.	
REM96101	96	1.5mm	4um	8X12	H&E, IHC anti-Cytokeratin		

Recommended applications: For research use only. Designed for comparative IHC or ISH based protein or RNA tissue profiling in paired primary and metastatic tumor tissues from multiple rectum cancer patients.

Description: Rectum cancer tissue array containing paired primary and metastatic tumors (in lymph nodes and other organs) from the same patients, 48 cases 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 can be stored for use at 4C for up to six months from the date of shipment. **There may be 5 to 10% of tissue core loss.**

Array Position	Sex	Age	Anatomic Site	Pathology	Grade	Stage
A01	M	56	Intestine, rectum	Adenocarcinoma	II~III	T3N1M0
A02	F	68	Intestine, rectum	Adenocarcinoma	I~II	T3N0M0
A03	M	40	Intestine, rectum	Adenocarcinoma	II	T2N0M0
A04	M	48	Intestine, rectum	Adenocarcinoma	II	T3N0M0
A05	M	70	Intestine, rectum	Adenocarcinoma	II	T3N0M0
A06	M	79	Intestine, rectum	Adenocarcinoma	I~II	T2N0M0
A07	M	65	Intestine, rectum	Adenocarcinoma	I	T2N0M0
A08	M	70	Intestine, rectum	Adenocarcinoma	I~II	T3N0M0
A09	F	53	Intestine, rectum	Adenocarcinoma	I	T2N0M0
A10	M	48	Intestine, rectum	Adenocarcinoma	I~II	T3N0M0
A11	F	51	Intestine, rectum	Adenocarcinoma	II	T3N0M0
A12	F	45	Intestine, rectum	Adenocarcinoma	III	T3N0M0
B01	M	56	Intestine, rectum	Uninvolved rectum tissue of A01	null	null
B02	F	68	Intestine, rectum	Uninvolved rectum tissue of A02	null	null
B03	M	40	Intestine, rectum	Uninvolved rectum tissue of A03	null	null
B04	M	48	Intestine, rectum	Uninvolved rectum tissue of A04	null	null
B05	M	70	Intestine, rectum	Uninvolved rectum tissue of A05	null	null
B06	M	79	Intestine, rectum	Uninvolved rectum tissue of A06	null	null
B07	M	65	Intestine, rectum	Uninvolved rectum tissue of A07	null	null
B08	M	70	Intestine, rectum	Uninvolved rectum tissue of A08	null	null
B09	F	53	Intestine, rectum	Uninvolved rectum tissue of A09	null	null
B10	M	48	Intestine, rectum	Uninvolved rectum tissue of A10	null	null
B11	F	51	Intestine, rectum	Uninvolved rectum tissue of A11	null	null
B12	F	45	Intestine, rectum	Uninvolved rectum tissue of A12	null	null
C01	F	54	Intestine, rectum	Adenocarcinoma	II	T3N2M0
C02	F	28	Intestine, rectum	Adenocarcinoma	III	T3N2M0
C03	M	64	Intestine, rectum	Adenocarcinoma	I~II	T1N1M0
C04	M	70	Intestine, rectum	Adenocarcinoma	II	T3N2M0
C05	M	72	Intestine, rectum	Adenocarcinoma	I~II	T3N1M0
C06	M	62	Intestine, rectum	Mucinous adenocarcinoma	null	T2N2M0
C07	F	51	Intestine, rectum	Adenocarcinoma	II	T3N1M0
C08	M	54	Intestine, rectum	Adenocarcinoma	I	T3N1M0
C09	F	82	Intestine, rectum	Adenocarcinoma	II	T2N2M0
C10	M	74	Intestine, rectum	Adenocarcinoma	III	T3N2M0
C11	M	26	Intestine, rectum	Adenocarcinoma	I	T3N1M0
C12	M	65	Intestine, rectum	Adenocarcinoma	I~II	T3N1M0
D01	F	54	Lymph node	Metastatic adenocarcinoma of C01	null	null
D02	F	28	Lymph node	Metastatic adenocarcinoma of C02	null	null



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D03	M	64	Lymph node	Metastatic adenocarcinoma of C03	null	null
D04	M	70	Lymph node	Metastatic adenocarcinoma of C04	null	null
D05	M	72	Lymph node	Metastatic adenocarcinoma of C05	null	null
D06	M	62	Lymph node	Metastatic adenocarcinoma of C06	null	null
D07	F	51	Lymph node	Metastatic adenocarcinoma of C07	null	null
D08	M	54	Lymph node	Metastatic adenocarcinoma of C08	null	null
D09	F	82	Lymph node	Metastatic adenocarcinoma of C09	null	null
D10	M	74	Lymph node	Metastatic adenocarcinoma of C10	null	null
D11	M	26	Lymph node	Metastatic adenocarcinoma of C11	null	null
D12	M	65	Lymph node	Metastatic adenocarcinoma of C12	null	null
E01	M	44	Intestine, rectum	Adenocarcinoma	II	T2N2M0
E02	F	38	Intestine, rectum	Mucinous adenocarcinoma	II~III	T2N2M0
E03	M	37	Intestine, rectum	Adenocarcinoma	II	T3N2M0
E04	M	52	Intestine, rectum	Adenocarcinoma	III	T3N1M0
E05	M	67	Intestine, rectum	Adenocarcinoma	II	T3N2M0
E06	M	60	Intestine, rectum	Adenocarcinoma	II	T4N2M0
E07	M	76	Intestine, rectum	Adenocarcinoma	II~III	T3N2M0
E08	M	58	Intestine, rectum	Adenocarcinoma	I	T2N2M0
E09	M	44	Intestine, rectum	Adenocarcinoma	II	T3N2M0
E10	M	68	Intestine, rectum	Adenocarcinoma	II	T3N2M0
E11	M	46	Intestine, rectum	Adenocarcinoma	II	T3N1M0
E12	M	54	Intestine, rectum	Adenocarcinoma	I	T2N1M0
F01	M	44	Lymph node	Metastatic adenocarcinoma of E01	null	null
F02	F	38	Lymph node	Metastatic adenocarcinoma of E02	null	null
F03	M	37	Lymph node	Metastatic adenocarcinoma of E03	null	null
F04	M	52	Lymph node	Metastatic adenocarcinoma of E04	null	null
F05	M	67	Lymph node	Metastatic adenocarcinoma of E05	null	null
F06	M	60	Lymph node	Metastatic adenocarcinoma of E06	null	null
F07	M	76	Lymph node	Metastatic adenocarcinoma of E07	null	null
F08	M	58	Lymph node	Metastatic adenocarcinoma of E08	null	null
F09	M	44	Lymph node	Metastatic adenocarcinoma of E09	null	null
F10	M	68	Lymph node	Metastatic adenocarcinoma of E10	null	null
F11	M	46	Lymph node	Metastatic adenocarcinoma of E11	null	null
F12	M	54	Lymph node	Metastatic adenocarcinoma of E12	null	null
G01	F	55	Intestine, rectum	Adenocarcinoma	II	T3N1M0
G02	F	63	Intestine, rectum	Adenocarcinoma	II~III	T3N2M0
G03	F	76	Intestine, rectum	Adenocarcinoma	II	T3N2M0
G04	F	23	Intestine, rectum	Mucinous adenocarcinoma	null	T3N2M0
G05	M	79	Intestine, rectum	Adenocarcinoma	III	T3N2M0
G06	F	39	Intestine, rectum	Adenocarcinoma	III	T3N2M0
G07	F	80	Intestine, rectum	Adenocarcinoma	III	T3N2M0
G08	M	66	Intestine, rectum	Adenocarcinoma	II	T3N1M0
G09	M	67	Intestine, rectum	Adenocarcinoma	II	T3N2M0
G10	M	55	Intestine, rectum	Adenocarcinoma	III	T3N2M0
G11	M	36	Intestine, rectum	Adenocarcinoma	II~III	T3N2M0
G12	M	41	Intestine, rectum	Adenocarcinoma	II	T3N2M0
H01	F	55	Lymph node	Metastatic adenocarcinoma of G01	null	null
H02	F	63	Lymph node	Metastatic adenocarcinoma of G02	null	null
H03	F	76	Lymph node	Metastatic adenocarcinoma of G03	null	null
H04	F	23	Lymph node	Metastatic adenocarcinoma of G04	null	null
H05	M	79	Lymph node	Metastatic adenocarcinoma of G05	null	null
H06	F	39	Lymph node	Metastatic adenocarcinoma of G06	null	null
H07	F	80	Lymph node	Metastatic adenocarcinoma of G07	null	null
H08	M	66	Lymph node	Metastatic adenocarcinoma of G08	null	null
H09	M	67	Lymph node	Metastatic adenocarcinoma of G09	null	null
H10	M	55	Lymph node	Metastatic adenocarcinoma of G10	null	null
H11	M	36	Lymph node	Metastatic adenocarcinoma of G11	null	null
H12	M	41	Lymph node	Metastatic adenocarcinoma of G12	null	null

Notes: Bake at 60C for ~60 minutes before use. If antigen retrieving is needed, it is important to avoid **direct-boiling and high pH or high strength** antigen retrieving buffer. For availability of complimentary IHC data, please contact us at info@pantomics.com.

Certified by: Fancai 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