
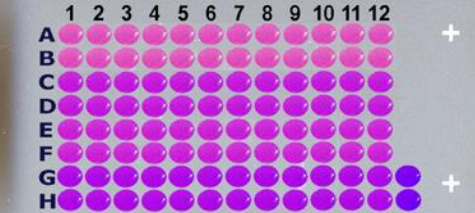


**Cat No: STM961 – Stomach cancer tissue array with paired metastatic tumors**

Lot#	Cores	Size	Cut	Format	QA/QC	Pantomics, Inc.	
STM96101	96	1.5mm	4um	8X12	H&E, IHC anti-Cytokeratin		

**Recommended applications:** For Research use only. RNA or protein stomach primary and metastatic cancer tissue profiling using IHC or ISH.

**Description:** Stomach cancer tissue array containing 48 cases of paired primary and metastatic tumors (in lymph nodes and other organs) from the same patients.

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	Age	Sex	Anatomic site	Pathology	Grade	Stage
A01	52	M	Stomach	Adenocarcinoma	III	T3N1M0
A02	45	F	Stomach	Adenocarcinoma	III	T3N1M0
A03	43	F	Stomach	Adenocarcinoma	III	T3N1M0
A04	44	F	Stomach	Adenocarcinoma	III	T3N2M0
A05	80	M	Stomach	Adenocarcinoma	I	T4N1M0
A06	59	M	Stomach	Adenocarcinoma	II~III	T3N1M0
A07	72	M	Stomach	Adenocarcinoma	II~III	T3N1M0
A08	68	M	Stomach	Adenocarcinoma	III	T3N1M0
A09	68	M	Stomach	Adenocarcinoma	III	T3N2M0
A10	53	F	Stomach	Adenocarcinoma	III	T3N0M0
A11	68	F	Stomach	Adenocarcinoma	III	T3N1M0
A12	80	M	Stomach	Adenocarcinoma	II~III	T2N1M0
B01	52	M	Stomach	Lymph node metastasis of A01		
B02	45	F	Stomach	Lymph node metastasis of A02		
B03	43	F	Stomach	Lymph node metastasis of A03		
B04	44	F	Stomach	Lymph node metastasis of A04		
B05	80	M	Stomach	Lymph node metastasis of A05		
B06	59	M	Stomach	Lymph node metastasis of A06		
B07	72	M	Stomach	Lymph node metastasis of A07		
B08	68	M	Stomach	Lymph node metastasis of A08		
B09	68	M	Stomach	Lymph node metastasis of A09		
B10	53	F	Stomach	Lymph node metastasis of A10		
B11	68	F	Stomach	Lymph node metastasis of A11		
B12	80	M	Stomach	Lymph node metastasis of A12		
C01	54	M	Stomach	Adenocarcinoma	III	T3N1M0
C02	60	M	Stomach	Adenocarcinoma	III	T2N1M0
C03	42	M	Stomach	Adenocarcinoma	III	T3N2M0
C04	42	F	Stomach	Adenocarcinoma	III	T3N2M0
C05	50	M	Stomach	Adenocarcinoma	II~III	T3N2M0
C06	52	F	Stomach	Signet ring cell carcinoma		T3N1M0
C07	68	F	Stomach	Adenocarcinoma	III	T3N2M0
C08	63	M	Stomach	Adenocarcinoma	III	T3N2M0
C09	61	M	Stomach	Adenocarcinoma	II	T3N2M0
C10	56	M	Stomach	Signet ring cell carcinoma		T3N2M0
C11	77	M	Stomach	Undifferentiated carcinoma		T3N2M0
C12	80	F	Stomach	Adenocarcinoma	II~III	T3N2M0
D01	54	M	Stomach	Lymph node metastasis of C01		
D02	60	M	Stomach	Lymph node metastasis of C02		
D03	42	M	Stomach	Lymph node metastasis of C03		
D04	42	F	Stomach	Lymph node metastasis of C04		
D05	50	M	Stomach	Lymph node metastasis of C05		
D06	52	F	Stomach	Lymph node metastasis of C06		



**Advancing Biomedical Science Through Tissue Arrays**

D07	68	F	Stomach	Lymph node metastasis of C07		
D08	63	M	Stomach	Lymph node metastasis of C08		
D09	61	M	Stomach	Lymph node metastasis of C09		
D10	56	M	Stomach	Lymph node metastasis of C10		
D11	77	M	Stomach	Lymph node metastasis of C11		
D12	80	F	Stomach	Lymph node metastasis of C12		
E01	38	F	Stomach	Undifferentiated carcinoma		T2N2M0
E02	40	F	Stomach	Adenocarcinoma	III	T3N1M0
E03	60	F	Stomach	Signet ring cell carcinoma		T2N1M0
E04	70	M	Stomach	Adenocarcinoma	II	T3N2M0
E05	68	M	Stomach	Adenocarcinoma	III	T3N2M0
E06	52	M	Stomach	Signet ring cell carcinoma		T2N1M0
E07	60	M	Stomach	Adenocarcinoma	III	T3N2M0
E08	58	M	Stomach	Signet ring cell carcinoma		T3N1M0
E09	73	M	Stomach	Adenocarcinoma	II~III	T3N1M0
E10	57	M	Stomach	Signet ring cell carcinoma		T3N2M0
E11	31	F	Stomach	Adenocarcinoma	III	T3N2M0
E12	54	M	Stomach	Adenocarcinoma	III	T3N1M0
F01	38	F	Stomach	Lymph node metastasis of E01		
F02	40	F	Stomach	Lymph node metastasis of E02		
F03	60	F	Stomach	Lymph node metastasis of E03		
F04	70	M	Stomach	Lymph node metastasis of E04		
F05	68	M	Stomach	Lymph node metastasis of E05		
F06	52	M	Stomach	Lymph node metastasis of E06		
F07	60	M	Stomach	Lymph node metastasis of E07		
F08	58	M	Stomach	Lymph node metastasis of E08		
F09	73	M	Stomach	Lymph node metastasis of E09		
F10	57	M	Stomach	Lymph node metastasis of E10		
F11	31	F	Stomach	Lymph node metastasis of E11		
F12	54	M	Stomach	Lymph node metastasis of E12		
G01	62	M	Stomach	Adenocarcinoma	III	T3N2M0
G02	64	F	Stomach	Adenocarcinoma	III	T3N2M0
G03	51	M	Stomach	Signet ring cell carcinoma		T3N2M0
G04	61	M	Stomach	Adenocarcinoma	III	T3N1M0
G05	57	F	Stomach	Adenocarcinoma	III	T3N2M0
G06	60	M	Stomach	Adenocarcinoma	II	T3N1M0
G07	60	M	Stomach	Adenocarcinoma	II~III	T3N1M0
G08	57	M	Stomach	Adenocarcinoma	III	T3N2M0
G09	64	M	Stomach	Adenocarcinoma	II	T4N1M0
G10	47	M	Stomach	Adenocarcinoma	III	T1N2M0
G11	68	F	Stomach	Signet ring cell carcinoma		T3N1M0
G12	60	M	Stomach	Mucinous adenocarcinoma		T3N2M0
H01	62	M	Stomach	Lymph node metastasis of G01		
H02	64	F	Stomach	Lymph node metastasis of G02		
H03	51	M	Stomach	Lymph node metastasis of G03		
H04	61	M	Stomach	Lymph node metastasis of G04		
H05	57	F	Stomach	Lymph node metastasis of G05		
H06	60	M	Stomach	Lymph node metastasis of G06		
H07	60	M	Stomach	Lymph node metastasis of G07		
H08	57	M	Stomach	Lymph node metastasis of G08		
H09	64	M	Stomach	Lymph node metastasis of G09		
H10	47	M	Stomach	Lymph node metastasis of G10		
H11	68	F	Stomach	Lymph node metastasis of G11		
H12	60	M	Stomach	Lymph node metastasis of G12		

**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](mailto:info@pantomics.com).

**Certified by:** Fancai Li, M.D.



## **TNM Classification: Stomach carcinoma**

### **T- Primary tumor**

TX - Primary tumor cannot be assessed

T0 - No evidence of primary tumor

Tis - Carcinoma in situ, intraepithelial tumor without invasion of the lamina propria

T1 - Tumor invades lamina propria or submucosa

T2 - Tumor invades muscularis propria or subserosa

T3 - Tumor penetrates serosa (visceral peritoneum) without invasion of adjacent structures

T4 - Tumor invades adjacent structures

### **N - Regional lymph nodes**

NX - Regional lymph nodes cannot be assessed

N0 - No regional lymph node metastasis

N1 - Metastasis in 1 to 6 regional lymph nodes

N2 - metastasis in 7 -15 regional lymph nodes

N3 - metastasis in more than 15 regional lymph nodes

### **M - Distant metastasis**

MX - Distant metastasis cannot be assessed

M0 - No distant metastasis

M1 - Distant metastasis

TNM classification of malignant tumours, Fifth Edition (1997)