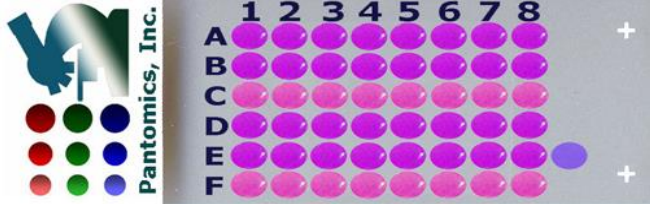


Cat No: STC482 - Stomach cancer/normal paired tissue array

Lot#	Cores	Size	Cut	Format	QA/QC	Pantomics, Inc.	
STC48201	48	2mm	4um	6X8	H&E, IHC anti-Cytokeratin		

Recommended applications: For research use only. Designed for stomach normal vs cancer RNA or protein tissue profiling using IHC or ISH. Duplicated tumor tissues from each case are arrayed to minimize heterogeneity.

Description: Non-overlapping with STC481, 16 cases of stomach 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 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	52	Stomach	Adenocarcinoma	I	T2N0M0
A02	M	54	Stomach	Adenocarcinoma	I~II	T2N1M0
A03	M	41	Stomach	Adenocarcinoma	I~II	T3N0M0
A04	F	70	Stomach	Adenocarcinoma	I~II	T2N0M0
A05	M	78	Stomach	Adenocarcinoma	I~II	T2N0M0
A06	M	35	Stomach	Adenocarcinoma	II	T2N0M0
A07	F	55	Stomach	Adenocarcinoma	II	T2N1M0
A08	M	52	Stomach	Adenocarcinoma	II	T3N1M0
B01	M	52	Stomach	Adenocarcinoma	I	T2N0M0
B02	M	54	Stomach	Adenocarcinoma	I~II	T2N1M0
B03	M	41	Stomach	Adenocarcinoma	I~II	T3N0M0
B04	F	70	Stomach	Adenocarcinoma	I~II	T2N0M0
B05	M	78	Stomach	Adenocarcinoma	I~II	T2N0M0
B06	M	35	Stomach	Adenocarcinoma	II	T2N0M0
B07	F	55	Stomach	Adenocarcinoma	II	T2N1M0
B08	M	52	Stomach	Adenocarcinoma	II	T3N1M0
C01	M	52	Stomach	Uninvolved stomach tissue of A1, B1		
C02	M	54	Stomach	Uninvolved stomach tissue of A2, B2		
C03	M	41	Stomach	Uninvolved stomach tissue of A3, B3		
C04	F	70	Stomach	Uninvolved stomach tissue of A4, B4		
C05	M	78	Stomach	Uninvolved stomach tissue of A5, B5		
C06	M	35	Stomach	Uninvolved stomach tissue of A6, B6		
C07	F	55	Stomach	Uninvolved stomach tissue of A7, B7		
C08	M	52	Stomach	Uninvolved stomach tissue of A8, B8		
D01	F	80	Stomach	Adenocarcinoma	II~III	T3N2M0
D02	M	72	Stomach	Adenocarcinoma	III	T2N0M0
D03	M	63	Stomach	Adenocarcinoma	III	T3N2M0
D04	F	38	Stomach	Adenocarcinoma	III	T3N1M0
D05	M	52	Stomach	Adenocarcinoma	III	T2N1M0
D06	F	46	Stomach	Adenocarcinoma	III	T3N1M0
D07	F	55	Stomach	Adenocarcinoma	III	T3N1M0
D08	F	69	Stomach	Adenocarcinoma	III	T3N2M0
E01	F	80	Stomach	Adenocarcinoma	II~III	T3N2M0
E02	M	72	Stomach	Adenocarcinoma	III	T2N0M0
E03	M	63	Stomach	Adenocarcinoma	III	T3N2M0
E04	F	38	Stomach	Adenocarcinoma	III	T3N1M0
E05	M	52	Stomach	Adenocarcinoma	III	T2N1M0
E06	F	46	Stomach	Adenocarcinoma	III	T3N1M0
E07	F	55	Stomach	Adenocarcinoma	III	T3N1M0
E08	F	69	Stomach	Adenocarcinoma	III	T3N2M0
F01	F	80	Stomach	Uninvolved stomach tissue of D1, E1		



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F02	M	72	Stomach	Uninvolved stomach tissue of D2, E2		
F03	M	63	Stomach	Uninvolved stomach tissue of D3, E3		
F04	F	38	Stomach	Uninvolved stomach tissue of D4, E4		
F05	M	52	Stomach	Uninvolved stomach tissue of D5, E5		
F06	F	46	Stomach	Uninvolved stomach tissue of D6, E6		
F07	F	55	Stomach	Uninvolved stomach tissue of D7, E7		
F08	F	69	Stomach	Uninvolved stomach tissue of D8, E8		

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: Langxing Pan, M.D.

TNM Classification: Stomach carcinoma

T- Primary tumor

- TX - Primary tumor cannot be assessed
- TO - 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
- NO - 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
- MO - No distant metastasis
- M1 - Distant metastasis

TNM classification of malignant tumours, Fifth Edition (1997)