



Cat No: OVC481 – Ovary cancer/adjacent uninvolved tissue array

Lot#	Cores	Size	Cut	Format	QA/QC	Pantomics, Inc.	
OVC48101	48	2mm	4um	6X8	H&E, IHC anti-Cytokeratin		

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

Description: 16 cases of ovary 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	F	36	Ovary	Serous cystadenocarcinoma	I	T1N0M0
A02	F	61	Ovary	Serous cystadenocarcinoma	II	T1N1M0
A03	F	38	Ovary	Serous cystadenocarcinoma	II~III	T3N0M1
A04	F	49	Ovary	Serous cystadenocarcinoma	II~III	T1N0M0
A05	F	75	Ovary	Serous cystadenocarcinoma	III	T3N0M0
A06	F	56	Ovary	Serous cystadenocarcinoma	III	T1N0M0
A07	F	72	Ovary	Serous cystadenocarcinoma	I	T2N0M0
A08	F	69	Ovary	Serous cystadenocarcinoma	III	T1N0M0
B01	F	36	Ovary	Serous cystadenocarcinoma	I	T1N0M0
B02	F	61	Ovary	Serous cystadenocarcinoma	II	T1N1M0
B03	F	38	Ovary	Serous cystadenocarcinoma	II~III	T3N0M1
B04	F	49	Ovary	Serous cystadenocarcinoma	II~III	T1N0M0
B05	F	75	Ovary	Serous cystadenocarcinoma	III	T3N0M0
B06	F	56	Ovary	Serous cystadenocarcinoma	III	T1N0M0
B07	F	72	Ovary	Serous cystadenocarcinoma	I	T2N0M0
B08	F	69	Ovary	Serous cystadenocarcinoma	III	T1N0M0
C01	F	36	Ovary	Uninvolved ovary tissue of A1, B1	null	null
C02	F	61	Ovary	Uninvolved ovary tissue of A2, B2	null	null
C03	F	38	Ovary	Uninvolved ovary tissue of A3, B3	null	null
C04	F	49	Ovary	Uninvolved ovary tissue of A4, B4	null	null
C05	F	75	Ovary	Uninvolved ovary tissue of A5, B5	null	null
C06	F	56	Ovary	Uninvolved ovary tissue of A6, B6	null	null
C07	F	72	Ovary	Uninvolved ovary tissue of A7, B7	null	null
C08	F	69	Ovary	Uninvolved ovary tissue of A8, B8	null	null
D01	F	41	Ovary	Serous cystadenocarcinoma	II~III	T3N0M1
D02	F	52	Ovary	Serous cystadenocarcinoma	II~III	T3N0M0
D03	F	55	Ovary	Serous cystadenocarcinoma	III	T3N0M0
D04	F	46	Ovary	Serous cystadenocarcinoma	III	T2N0M0
D05	F	45	Ovary	Mucinous cystadenocarcinoma	I	T2N0M0
D06	F	48	Ovary	Undifferentiated carcinoma	null	T1N0M0
D07	F	53	Ovary	Endometrioid adenocarcinoma	III	T3N0M0
D08	F	65	Ovary	Endometrioid adenocarcinoma	III	T1N0M0
E01	F	41	Ovary	Serous cystadenocarcinoma	II~III	T3N0M1
E02	F	52	Ovary	Serous cystadenocarcinoma	II~III	T3N0M0
E03	F	55	Ovary	Serous cystadenocarcinoma	III	T3N0M0
E04	F	46	Ovary	Serous cystadenocarcinoma	III	T2N0M0
E05	F	45	Ovary	Mucinous cystadenocarcinoma	I	T2N0M0
E06	F	48	Ovary	Undifferentiated carcinoma	null	T1N0M0
E07	F	53	Ovary	Endometrioid adenocarcinoma	III	T3N0M0



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E08	F	65	Ovary	Endometrioid adenocarcinoma	III	T1N0M0
F01	F	41	Ovary	Uninvolved ovary tissue of D1, E1	null	null
F02	F	52	Ovary	Uninvolved ovary tissue of D2, E2	null	null
F03	F	55	Ovary	Uninvolved ovary tissue of D3, E3	null	null
F04	F	46	Ovary	Uninvolved ovary tissue of D4, E4	null	null
F05	F	45	Ovary	Uninvolved ovary tissue of D5, E5	null	null
F06	F	48	Ovary	Uninvolved ovary tissue of D6, E6	null	null
F07	F	53	Ovary	Uninvolved ovary tissue of D7, E7	null	null
F08	F	65	Ovary	Uninvolved ovary tissue of D8, E8	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: Langxing Pan, M.D.

TNM Classification: Ovary carcinoma

T- Primary tumor

TX - Primary tumor cannot be assessed

TO - No evidence of primary tumor

T1 - Tumor limited to the ovaries

T1a - Tumor limited to one ovary; capsule intact, no tumor invasion on ovarian surface; no malignant cells in ascites or peritoneal washings

T1b - Tumor limited to both ovaries; capsule intact, no tumor invasion on ovarian surface; no malignant cells in ascites or peritoneal washings

T1c - Tumor limited to one or both ovaries with any or the following features; capsule ruptured, tumor on ovarian surface, malignant cells in ascites or peritoneal washing

T2 - Tumor involves one or both ovaries with pelvic extension

T2a - Extension and/or implants on uterus and/or tube(s); no malignant cells in ascites or peritoneal washings

T2b - Extension to other pelvic tissue; no malignant cells in ascites or peritoneal washings

T2c - Pelvic extension (T2a or T2b) with malignant cells in ascites or peritoneal washings

T3 and/or N1 - Tumor involves both ovaries with microscopically confirmed peritoneal metastasis outside the pelvis and/or regional lymph node metastasis

T3a - Microscopic peritoneal metastasis beyond pelvis

T3b - Macroscopic peritoneal metastasis beyond pelvis 2 cm or less in greatest dimension

T3c and/or N1 - Peritoneal metastasis beyond pelvis more than 2 cm in greatest dimension and/or regional lymph node metastasis

N - Regional lymph nodes

NX - Regional lymph nodes cannot be assessed

NO - No regional lymph node metastasis

N1 - Regional lymph node metastasis

M - Distant metastasis

MX - Distant metastasis cannot be assessed

MO - No distant metastasis

M1 - Distant metastasis (exclude peritoneal metastasis)



Comparison between TNM vs. FIGO

TNM category	FIGO stage	TNM category	FIGO stage
T1	I	T3 and/or N1	III
T1a	IA	T3a	IIIA
T1b	IB	T3b	IIIB
T1c	IC	T3c and/or N1	IIIC
T2	II	M1	IV
T2a	IIA		
T2b	IIB		
T2c	IIC		

TNM classification of malignant tumours, Fifth Edition (1997)