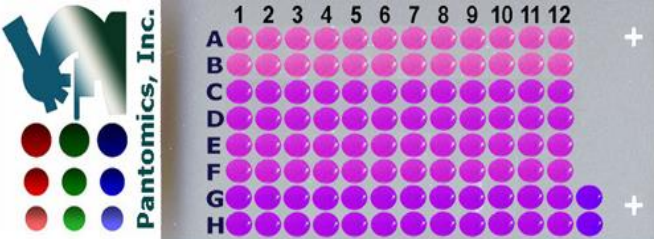


**Cat No: OVC961 - Ovarian cancer tissue array**

Lot#	Cores	Size	Cut	Format	QA/QC	
OVC96101	96	1.5mm	4um	12X8	H&E, IHC anti-Cytokeratin	

**Recommended applications:** For Research use only. RNA or protein ovary cancer/non-tumor tissue profiling using IHC or ISH; Antibody characterization.

**Description:** Ovary cancer tissue array, 96 cores including 36 cases (purple/blue) of ovary cancers and 12 cases of normal and benign tumor tissues of the ovary (pink) 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	F	29	Ovary	Normal	null	null
A02	F	50	Ovary	Normal	null	null
A03	F	51	Ovary	Endometrioid adenocarcinoma	III	T1N0M0
A04	F	47	Ovary	Mucinous cystadenoma	null	null
A05	F	35	Ovary	Thecoma	null	null
A06	F	68	Ovary	Mucinous cystadenoma	null	null
A07	F	57	Ovary	Mucinous cystadenoma	null	null
A08	F	67	Ovary	Thecoma	null	null
A09	F	47	Ovary	Thecoma	null	null
A10	F	55	Ovary	Thecoma	null	null
A11	F	43	Ovary	Granulosa cell tumor	null	null
A12	F	52	Ovary	Granulosa cell tumor	null	null
B01	F	29	Ovary	Normal	null	null
B02	F	50	Ovary	Normal	null	null
B03	F	51	Ovary	Endometrioid adenocarcinoma	III	T1N0M0
B04	F	47	Ovary	Mucinous cystadenoma	null	null
B05	F	35	Ovary	Thecoma	null	null
B06	F	68	Ovary	Mucinous cystadenoma	null	null
B07	F	57	Ovary	Mucinous cystadenoma	null	null
B08	F	67	Ovary	Thecoma	null	null
B09	F	47	Ovary	Thecoma	null	null
B10	F	55	Ovary	Thecoma	null	null
B11	F	43	Ovary	Granulosa cell tumor	null	null
B12	F	52	Ovary	Granulosa cell tumor	null	null
C01	F	33	Ovary	Serous cystadenocarcinoma	I	T1N0M0
C02	F	34	Ovary	Serous cystadenocarcinoma	I	T2N0M0
C03	F	56	Ovary	Serous cystadenocarcinoma	I	T1N0M0
C04	F	45	Ovary	Serous cystadenocarcinoma	II	T3N1M0
C05	F	43	Ovary	Serous cystadenocarcinoma	III	T1N0M0
C06	F	51	Ovary	Serous cystadenocarcinoma	III	T3N1M1
C07	F	54	Ovary	Serous cystadenocarcinoma	II	T3N0M1
C08	F	53	Ovary	Serous cystadenocarcinoma	III	T2N0M0
C09	F	22	Ovary	Mucinous cystadenocarcinoma	I	T1N0M0
C10	F	20	Ovary	Serous cystadenocarcinoma	I~II	T1N0M0
C11	F	47	Ovary	Mucinous cystadenocarcinoma	I	T3N1M0
C12	F	43	Ovary	Mucinous cystadenocarcinoma	III	T2N0M0
D01	F	33	Ovary	Serous cystadenocarcinoma	I	T1N0M0



**Advancing Biomedical Science Through Tissue Arrays**

D02	F	34	Ovary	Serous cystadenocarcinoma	I	T2N0M0
D03	F	56	Ovary	Serous cystadenocarcinoma	I	T1N0M0
D04	F	45	Ovary	Serous cystadenocarcinoma	II	T3N1M0
D05	F	43	Ovary	Serous cystadenocarcinoma	III	T1N0M0
D06	F	51	Ovary	Serous cystadenocarcinoma	III	T3N1M1
D07	F	54	Ovary	Serous cystadenocarcinoma	II	T3N0M1
D08	F	53	Ovary	Serous cystadenocarcinoma	III	T2N0M0
D09	F	22	Ovary	Mucinous cystadenocarcinoma	I	T1N0M0
D10	F	20	Ovary	Serous cystadenocarcinoma	I~II	T1N0M0
D11	F	47	Ovary	Mucinous cystadenocarcinoma	I	T3N1M0
D12	F	43	Ovary	Mucinous cystadenocarcinoma	III	T2N0M0
E01	F	18	Ovary	Serous cystadenocarcinoma	II	T1N0M0
E02	F	25	Ovary	Mucinous cystadenocarcinoma	I	T1N0M0
E03	F	24	Ovary	Mucinous cystadenocarcinoma	I	T1N0M0
E04	F	51	Ovary	Endometrioid adenocarcinoma	I	T1N0M0
E05	F	50	Ovary	Endometrioid adenocarcinoma	I	T3N1M1
E06	F	17	Ovary	Endometrioid adenocarcinoma	I	T1N0M0
E07	F	42	Ovary	Endometrioid adenocarcinoma	I	T3N0M1
E08	F	25	Ovary	Endometrioid adenocarcinoma	II	T1N0M0
E09	F	42	Ovary	Serous cystadenocarcinoma	II~III	T3N0M1
E10	F	42	Ovary	Serous cystadenocarcinoma	II~III	T2N0M0
E11	F	42	Ovary	Endometrioid adenocarcinoma	III	T3N0M1
E12	F	63	Ovary	Endometrioid adenocarcinoma	III	T2N0M0
F01	F	18	Ovary	Serous cystadenocarcinoma	II	T1N0M0
F02	F	25	Ovary	Mucinous cystadenocarcinoma	I	T1N0M0
F03	F	24	Ovary	Mucinous cystadenocarcinoma	I	T1N0M0
F04	F	51	Ovary	Endometrioid adenocarcinoma	I	T1N0M0
F05	F	50	Ovary	Endometrioid adenocarcinoma	I	T3N1M1
F06	F	17	Ovary	Endometrioid adenocarcinoma	I	T1N0M0
F07	F	42	Ovary	Endometrioid adenocarcinoma	I	T3N0M1
F08	F	25	Ovary	Endometrioid adenocarcinoma	II	T1N0M0
F09	F	42	Ovary	Serous cystadenocarcinoma	II~III	T3N0M1
F10	F	42	Ovary	Serous cystadenocarcinoma	II~III	T2N0M0
F11	F	42	Ovary	Endometrioid adenocarcinoma	III	T3N0M1
F12	F	63	Ovary	Endometrioid adenocarcinoma	III	T2N0M0
G01	F	48	Ovary	Mucinous cystadenocarcinoma	III	T1N0M0
G02	F	68	Ovary	Endometrioid adenocarcinoma	III	T3N1M0
G03	F	52	Ovary	Endometrioid adenocarcinoma	III	T3N0M0
G04	F	58	Ovary	Endometrioid adenocarcinoma	III	T2N0M0
G05	F	48	Ovary	Metastatic pancreatic adenocarcinoma	null	null
G06	F	57	Ovary	Undifferentiated carcinoma	III	T2N0M0
G07	F	54	Ovary	Endometrioid adenocarcinoma	III	T2N0M0
G08	F	17	Ovary	Dysgerminoma	null	T2N0M0
G09	F	40	Ovary	Endodermal sinus tumor	null	T1N0M0
G10	F	34	Ovary	Endodermal sinus tumor	null	T3N0M1
G11	F	36	Ovary	Leiomyosarcoma?	null	T1N0M0
G12	F	31	Ovary	Teratoma	null	null
H01	F	48	Ovary	Mucinous cystadenocarcinoma	III	T1N0M0
H02	F	68	Ovary	Endometrioid adenocarcinoma	III	T3N1M0
H03	F	52	Ovary	Endometrioid adenocarcinoma	III	T3N0M0
H04	F	58	Ovary	Endometrioid adenocarcinoma	III	T2N0M0
H05	F	48	Ovary	Metastatic pancreatic adenocarcinoma	null	null
H06	F	57	Ovary	Undifferentiated carcinoma	III	T2N0M0
H07	F	54	Ovary	Endometrioid adenocarcinoma	III	T2N0M0
H08	F	17	Ovary	Dysgerminoma	null	T2N0M0
H09	F	40	Ovary	Endodermal sinus tumor	null	T1N0M0
H10	F	34	Ovary	Endodermal sinus tumor	null	T3N0M1
H11	F	36	Ovary	Leiomyosarcoma?	null	T1N0M0
H12	F	31	Ovary	Teratoma	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](mailto:info@pantomics.com).

\* - Cores may be missing due to the nature of the tumor.

**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)