



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 all have a guaranteed six months' shelf-life at 4C from the date of shipment. Each slide has >95% tissue core retention (i.e. <5% of the cores may be missing).

Array position	Age	Sex	Anatomic site	Histology	Grade	Stage (TNM)
A1,B1	F	29	Ovary	Normal		
A2,B2	F	50	Ovary	Normal		
A3,B3	F	51	Ovary	Serous cystadenocarcinoma	II-III	T2N0M0
A4,B4	F	47	Ovary	Mucinous cystadenoma		
A5,B5	F	35	Ovary	Thecoma		
A6,B6	F	68	Ovary	Mucinous cystadenoma		
A7,B7*	F	57	Ovary	Mucinous cystadenoma		
A8,B8	F	67	Ovary	Thecoma		
A9,B9	F	47	Ovary	Thecoma		
A10,B10	F	55	Ovary	Thecoma		
A11,B11	F	43	Ovary	Granulosa cell tumor		
A12,B12	F	52	Ovary	Granulosa cell tumor		
C1,D1	F	33	Ovary	Serous cystadenocarcinoma	I-II	T1N0M0
C2,D2	F	34	Ovary	Serous cystadenocarcinoma	II	T2N0M0
C3,D3	F	56	Ovary	Serous cystadenocarcinoma	II	T1N0M0
C4,D4	F	45	Ovary	Serous cystadenocarcinoma	II	T1N0M0
C5,D5	F	43	Ovary	Serous cystadenocarcinoma	III	T1N0M0
C6,D6	F	51	Ovary	Serous cystadenocarcinoma	III	T3N1M0
C7,D7	F	54	Ovary	Serous cystadenocarcinoma	II	T2N0M0
C8,D8	F	53	Ovary	Serous cystadenocarcinoma	II-III	T1N0M0
C9,D9	F	22	Ovary	Boderline mucinous cystadenoma		-
C10,D10	F	20	Ovary	Mucinous cystadenocacinoma		T2N0M0
C11,D11	F	47	Ovary	Mucinous cystadenocacinoma		T1N0M0
C12,D12	F	43	Ovary	Mucinous cystadenocacinoma	III	T2N0M0
E1,F1	F	18	Ovary	Mucinous cystadenocacinoma	I	T1N0M0
E2,F2	F	25	Ovary	Mucinous cystadenocacinoma	I-II	T1N0M0
E3,F3	F	24	Ovary	Mucinous cystadenocacinoma	I	T1N0M0
E4,F4	F	51	Ovary	Endometrioid adenocarcinoma	I	T1N0M0
E5,F5	F	50	Ovary	Endometrioid adenocarcinoma	I-II	T1N0M0
E6,F6	F	17	Ovary	Endometrioid adenocarcinoma	I	T1N0M0
E7,F7	F	42	Ovary	Endometrioid adenocarcinoma	I	T1N0M0
E8,F8	F	25	Ovary	Endometrioid adenocarcinoma	I-II	T2N0M0



**Advancing Biomedical Science Through Tissue Arrays**

E9,F9	F	42	Ovary	Endometrioid adenocarcinoma	II	T1NOMO
E10,F10	F	42	Ovary	Endometrioid adenocarcinoma	II	T1NOMO
E11,F11	F	42	Ovary	Endometrioid adenocarcinoma	II	T1NOMO
E12,F12	F	63	Ovary	Endometrioid adenocarcinoma	III	T1NOMO
G1,H1	F	48	Ovary	Endometrioid adenocarcinoma	III	T1NOMO
G2,H2	F	68	Ovary	Endometrioid adenocarcinoma	III	T1NOMO
G3,H3	F	52	Ovary	Endometrioid adenocarcinoma	III	T2NOMO
G4,H4	F	58	Ovary	Endometrioid adenocarcinoma	III	T2NOMO
G5,H5	F	48	Ovary	Undifferentiated carcinoma	III	T2NOMO
G6,H6	F	57	Ovary	Undifferentiated carcinoma	III	T2NOMO
G7,H7	F	54	Ovary	Undifferentiated carcinoma	III	T2NOMO
G8,H8	F	17	Ovary	Dysgerminoma		T2NOMO
G9,H9	F	40	Ovary	Endodermal sinus tumor		T1NOMO
G10,H10	F	34	Ovary	Endodermal sinus tumor		T1NOMO
G11,H11	F	36	Ovary	Stromal sarcoma		T1NOMO
G12,H12	F	31	Ovary	Teratoma		

**Notes:** Please bake the slides at 60C for 30 minutes before use. If antigen retrieving is needed, it is always a good idea to start with a protocol with weak to mild strength.

\* - 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)