



OVC241 - Ovarian cancer/adjacent paired tissue array

Lot#	Cores	Size	Cut	Format	QA/QC	
OVC24101	24	2.5mm	4um	4X6	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.

Description: 12 cases of ovarian cancer (purple) 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 all have a guaranteed six months' shelf-life at 4C from the date of shipment.

Array position	Sex	Age	Pathology	Stage (TNM)	Anatomic site
A1	F	53	Serous cystadenocarcinoma	T1N0M0	Ovary
B1	F	53	Uninvolved ovary tissue of A1	-	Ovary
A2	F	56	Serous cystadenocarcinoma	T2N1M0	Ovary
B2	F	56	Uninvolved ovary tissue of A2	-	Ovary
A3	F	53	Endometrioid adenocarcinoma	T2N0M0	Ovary
B3	F	53	Uninvolved ovary tissue of A3	-	Ovary
A4	F	43	Poorly differentiated adenocarcinoma	T1N0M0	Ovary
B4	F	43	Uninvolved ovary tissue of A4	-	Ovary
A5	F	45	Serous cystadenocarcinoma	T1N0M0	Ovary
B5	F	45	Uninvolved ovary tissue of A5	-	Ovary
A6	F	24	Serous papillary adenocarcinoma	T1N0M0	Ovary
B6	F	24	Uninvolved ovary tissue of A6	-	Ovary
C1	F	56	Serous papillary adenocarcinoma	T1N0M0	Ovary
D1	F	56	Uninvolved ovary tissue of C1	-	Ovary
C2	F	24	Mucinous cystadenocarcinoma	T1N0M0	Ovary
D2	F	24	Uninvolved ovary tissue of C2	-	Ovary
C3	F	65	Poorly differentiated adenocarcinoma	T2N0M0	Ovary
D3	F	65	Uninvolved ovary tissue of C3	-	Ovary
C4	F	48	Poorly differentiated adenocarcinoma	T2N0M0	Ovary
D4	F	48	Uninvolved ovary tissue of C4	-	Ovary
C5	F	58	Endometrioid adenocarcinoma	T2N0M0	Ovary
D5	F	58	Uninvolved ovary tissue of C5	-	Ovary
C6	F	54	Poorly differentiated adenocarcinoma	T2N0M0	Ovary
D6	F	54	Uninvolved ovary tissue of C6	-	Ovary

Notes: Bake 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.

Certified by: Fancai Li, 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)