



Cat No: **EMC961 - Endometrial cancer tissue array**

Lot#	Cores	Size	Cut	Format	QA/QC	
EMC96101	96	1.5mm	4um	8X12	H&E, IHC anti-Cytokeratin	

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

Description: Endometrial cancer tissue array, 96 cores including 36 cases (purple/blue) of endometrial cancers and 12 cases of normal, inflammatory and benign tumor tissues of the endometrium (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.

Array position	Sex	Age	Anatomic site	Histology	Grade	Stage (TNM)
A1,B1	49	F	Endometrium	Normal		
A2,B2	60	F	Endometrium	Normal		
A3,B3	51	F	Endometrium	Normal		
A4,B4	38	F	Endometrium	Endometrium of proliferative phase		
A5,B5	38	F	Endometrium	Endometrium of proliferative phase		
A6,B6	44	F	Endometrium	Endometrium of proliferative phase		
A7,B7	42	F	Endometrium	Endometrium of proliferative phase		
A8,B8	35	F	Endometrium	Simple hyperplasia		
A9,B9	51	F	Endometrium	Simple hyperplasia		
A10,B10	42	F	Endometrium	Ectopic endometrium		
A11,B11	39	F	Endometrium	Ectopic endometrium		
A12,B12	75	F	Endometrium	Polyp		
C1,D1	68	F	Endometrium	Adenocarcinoma	I	T1N0M0
C2,D2	57	F	Endometrium	Adenocarcinoma	I	T1N0M0
C3,D3	45	F	Endometrium	Adenocarcinoma	I	T1N0M0
C4,D4	59	F	Endometrium	Adenocarcinoma	I	T1N0M0
C5,D5	53	F	Endometrium	Adenocarcinoma	I	T1N0M0
C6,D6	50	F	Endometrium	Adenocarcinoma	I	T1N0M0
C7,D7	52	F	Endometrium	Adenocarcinoma	II	T1N0M0
C8,D8	60	F	Endometrium	Adenocarcinoma	II	T1N1M0
C9,D9	49	F	Endometrium	Adenocarcinoma	II	T2N1M0
C10,D10	53	F	Endometrium	Adenocarcinoma	II	T1N0M0
C11,D11	48	F	Endometrium	Adenocarcinoma	II	T2N0M0
C12,D12	41	F	Endometrium	Adenocarcinoma	II	T1N0M0
E1,F1	60	F	Endometrium	Adenocarcinoma	II	T1N0M0
E2,F2	53	F	Endometrium	Adenocarcinoma	II	T1N0M0
E3,F3	40	F	Endometrium	Adenocarcinoma	II	T2N1M0
E4,F4	43	F	Endometrium	Adenocarcinoma	II	T1N0M0
E5,F5	48	F	Endometrium	Adenocarcinoma	II	T2N0M0
E6,F6	49	F	Endometrium	Adenocarcinoma	II	T1N1M0
E7,F7	41	F	Endometrium	Adenocarcinoma	III	T1N0M0
E8,F8	53	F	Endometrium	Adenocarcinoma	III	T1N0M0



Advancing Biomedical Science Through Tissue Arrays

E9,F9	70	F	Endometrium	Adenocarcinoma	III	T1NOMO
E10,F10	56	F	Endometrium	Adenocarcinoma	III	T1NOMO
E11,F11	54	F	Endometrium	Adenocarcinoma	III	T1NOMO
E12,F12	70	F	Endometrium	Adenocarcinoma	III	T2NOMO
G1,H1	36	F	Endometrium	Adenocarcinoma	III	T1NOMO
G2,H2	51	F	Endometrium	Adenocarcinoma	III	T1NOMO
G3,H3	50	F	Endometrium	Adenocarcinoma	III	T1NOMO
G4,H4	62	F	Endometrium	Adenocarcinoma	III	T1N1MO
G5,H5	56	F	Endometrium	Adenocarcinoma	III	T1NOMO
G6,H6	78	F	Endometrium	Adenocarcinoma	III	T2N1MO
G7,H7	47	F	Endometrium	Adenocarcinoma	III	T1NOMO
G8,H8	58	F	Endometrium	Adenocarcinoma	III	T2NOMO
G9,H9	56	F	Endometrium	Adenosquamous carcinoma		T1NOMO
G10,H10	67	F	Endometrium	Malignant mixed Mullerian Tumor		T2NOMO
G11,H11	51	F	Endometrium	Malignant mixed Mullerian Tumor		T1N1MO
G12,H12	50	F	Endometrium	Stromal sarcoma		T1NOMO

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 : Endometrium carcinoma

T- Primary tumor

TX - Primary tumor cannot be assessed

TO - No evidence of primary tumor

Tis - Carcinoma in situ (preinvasive carcinoma)

T1 - Tumor confined to corpus uteri

T1a - Tumor limited to endometrium

T1 b - Tumor invades up to less than one half of myometrium

T1c - Tumor invades to more than one half of myometrium

T2 - Tumor invades cervix but does not extend beyond uterus

T2a - Endocervical glandular involvement only

T2b - Cervical stromal invasion

T3 (and/or N1) - Local or regional spread as specified below

T3a - Tumor involves serosa and/or adnexa and/or cancer cells in ascites or peritoneal washing

T3b - Vaginal involvement

(N1) - Metastasis to pelvic and/or para-aortic lymph nodes

T4 - Tumor invades bladder mucosa and/or bowel mucosa

N - Regional lymph nodes

NX - Regional lymph nodes cannot be assessed

NO - No regional lymph node metastasis

N1 - Regional lymph node metastasis

N1a - Metastasis in a single regional lymph node

N1b - Metastasis in multiple 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)

Comparison between TNM and FIGO

TNM category	FIGO Stage	TNM category	FIGO Stage
Tis	Jo	T3 and/or N1	III
T1	J1	T3a	IIIA
T1a	IA	T3b	IIIB
T1b	IB	N1	IIIC
T1c	1C	T4	IVA
T2	II	M1	IVB
T2a	IIA		
T2b	MB		