



Cat No: **EMC1021 - Endometrial cancer tissue array**

Lot#	Cores	Size	Cut	Format	QA/QC	Pantomics, Inc.	
EMC102101	102	1.5mm	4um	8X13	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, 102 cases of normal/benign (5 cases) and cancer (97 cases with grading and TNM staging data) tissues.

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	39	Uterus, endometrium	Normal	null	null
A02	F	42	Uterus, endometrium	Normal	null	null
A03	F	42	Uterus, endometrium	Normal	null	null
A04	F	49	Uterus, endometrium	Normal	null	null
A05	F	42	Uterus, endometrium	Normal	null	null
A06	F	49	Uterus, endometrium	Adenocarcinoma	I	T3N1M0
A07	F	47	Uterus, endometrium	Adenocarcinoma	I~II	T1N0M0
A08	F	65	Uterus, endometrium	Adenocarcinoma	I	T1N0M0
A09	F	58	Uterus, endometrium	Adenocarcinoma	I	T1N0M0
A10	F	44	Uterus, endometrium	Adenocarcinoma	I	T1N0M0
A11	F	54	Uterus, endometrium	Adenocarcinoma	I	T3N0M0
A12	F	44	Uterus, endometrium	Adenocarcinoma	I	T1N0M0
A13	F	50	Uterus, endometrium	Adenocarcinoma	I	T1N0M0
B01	F	42	Uterus, endometrium	Adenocarcinoma	I	T1N0M0
B02	F	39	Uterus, endometrium	Adenocarcinoma	I	T1N0M0
B03	F	50	Uterus, endometrium	Adenocarcinoma	I	T1N0M0
B04	F	64	Uterus, endometrium	Adenocarcinoma	I	T1N0M0
B05	F	50	Uterus, endometrium	Adenocarcinoma	I	T1N0M0
B06	F	48	Uterus, endometrium	Adenocarcinoma	I	T1N0M0
B07	F	49	Uterus, endometrium	Adenocarcinoma	I	T1N0M0
B08	F	53	Uterus, endometrium	Adenocarcinoma	I	T1N0M0
B09	F	55	Uterus, endometrium	Adenocarcinoma	I~II	T1N0M0
B10	F	55	Uterus, endometrium	Adenocarcinoma	II~III	T2N1M0
B11	F	48	Uterus, endometrium	Adenocarcinoma	I~II	T1N0M0
B12	F	40	Uterus, endometrium	Adenocarcinoma	I~II	T2N1M0
B13	F	48	Uterus, endometrium	Adenocarcinoma	I~II	T2N0M0
C01	F	68	Uterus, endometrium	Adenocarcinoma	I~II	T1N0M0
C02	F	49	Uterus, endometrium	Adenocarcinoma	I~II	T2N0M0
C03	F	53	Uterus, endometrium	Adenocarcinoma	I~II	T1N0M0
C04	F	45	Uterus, endometrium	Adenocarcinoma	I~II	T1N0M0
C05	F	33	Uterus, endometrium	Adenocarcinoma	I~II	T2N0M0
C06	F	60	Uterus, endometrium	Adenocarcinoma	I~II	T1N0M0
C07	F	49	Uterus, endometrium	Adenocarcinoma	I~II	T2N0M0
C08	F	51	Uterus, endometrium	Adenocarcinoma	I~II	T1N0M0
C09	F	65	Uterus, endometrium	Adenocarcinoma	I~II	T1N0M0
C10	F	56	Uterus, endometrium	Adenocarcinoma	I~II	T1N1M0
C11	F	46	Uterus, endometrium	Adenocarcinoma	I~II	T1N0M0



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C12	F	45	Uterus, endometrium	Adenocarcinoma	I~II	T1N0M0
C13	F	39	Uterus, endometrium	Adenocarcinoma	I~II	T1N0M0
D01	F	69	Uterus, endometrium	Adenocarcinoma	I~II	T1N0M0
D02	F	38	Uterus, endometrium	Adenocarcinoma	I~II	T1N0M0
D03	F	60	Uterus, endometrium	Adenocarcinoma	I~II	T2N1M0
D04	F	58	Uterus, endometrium	Adenocarcinoma	I~II	T1N0M0
D05	F	37	Uterus, endometrium	Adenocarcinoma	II	T3N0M0
D06	F	62	Uterus, endometrium	Adenocarcinoma	II	T2N1M0
D07	F	78	Uterus, endometrium	Adenocarcinoma	II	T2N1M0
D08	F	60	Uterus, endometrium	Adenocarcinoma	II	T1N0M0
D09	F	53	Uterus, endometrium	Adenocarcinoma	II	T2N0M0
D10	F	56	Uterus, endometrium	Adenocarcinoma	II	T2N0M0
D11	F	54	Uterus, endometrium	Adenocarcinoma	II	T1N0M0
D12	F	43	Uterus, endometrium	Adenocarcinoma	II	T1N0M0
D13	F	40	Uterus, endometrium	Adenocarcinoma	II	T2N0M0
E01	F	66	Uterus, endometrium	Adenocarcinoma	II	T2N0M0
E02	F	43	Uterus, endometrium	Adenocarcinoma	II	T2N0M0
E03	F	50	Uterus, endometrium	Adenocarcinoma	II	T3N0M0
E04	F	60	Uterus, endometrium	Adenocarcinoma	II	T1N0M0
E05	F	52	Uterus, endometrium	Adenocarcinoma	II	T1N0M0
E06	F	44	Uterus, endometrium	Adenocarcinoma	II	T1N0M0
E07	F	53	Uterus, endometrium	Adenocarcinoma	II	T2N0M0
E08	F	42	Uterus, endometrium	Adenocarcinoma	II	T1N0M0
E09	F	56	Uterus, endometrium	Adenocarcinoma	I	T1N0M0
E10	F	48	Uterus, endometrium	Adenocarcinoma	II	T3N0M0
E11	F	51	Uterus, endometrium	Adenocarcinoma	II	T2N1M0
E12	F	32	Uterus, endometrium	Adenocarcinoma	II	T2N0M0
E13	F	55	Uterus, endometrium	Adenocarcinoma	II	T3N1M0
F01	F	30	Uterus, endometrium	Adenocarcinoma	II	T1N0M0
F02	F	43	Uterus, endometrium	Adenocarcinoma	I~II	T2N1M0
F03	F	70	Uterus, endometrium	Adenocarcinoma	II~III	T2N0M0
F04	F	54	Uterus, endometrium	Adenocarcinoma	II~III	T1N0M0
F05	F	53	Uterus, endometrium	Adenocarcinoma	II~III	T1N1M0
F06	F	57	Uterus, endometrium	Adenocarcinoma	II~III	T1N0M0
F07	F	40	Uterus, endometrium	Adenocarcinoma	II~III	T1N0M0
F08	F	43	Uterus, endometrium	Adenocarcinoma	II~III	T1N1M0
F09	F	51	Uterus, endometrium	Adenocarcinoma	II~III	T1N0M0
F10	F	52	Uterus, endometrium	Adenocarcinoma	II~III	T1N0M0
F11	F	56	Uterus, endometrium	Adenocarcinoma	III	T1N0M0
F12	F	61	Uterus, endometrium	Adenocarcinoma	III	T1N0M0
F13	F	50	Uterus, endometrium	Adenocarcinoma	III	T1N1M0
G01	F	51	Uterus, endometrium	Adenocarcinoma	III	T1N0M0
G02	F	46	Uterus, endometrium	Adenocarcinoma	III	T1N0M0
G03	F	53	Uterus, endometrium	Adenocarcinoma	III	T3N0M0
G04	F	67	Uterus, endometrium	Adenocarcinoma	III	T2N0M0
G05	F	51	Uterus, endometrium	Undifferentiated carcinoma	null	T1N1M0
G06	F	52	Uterus, endometrium	Adenocarcinoma	III	T1N0M0
G07	F	62	Uterus, endometrium	Adenocarcinoma	III	T1N0M0
G08	F	52	Uterus, endometrium	Adenocarcinoma	III	T2N1M0
G09	F	67	Uterus, endometrium	Adenocarcinoma	III	T1N0M0
G10	F	52	Uterus, endometrium	Adenocarcinoma	III	T3N1M0
G11	F	72	Uterus, endometrium	Adenocarcinoma	III	T1N0M0
G12	F	58	Uterus, endometrium	Adenocarcinoma	III	T1N0M0
H01	F	69	Uterus, endometrium	Adenocarcinoma	III	T1N0M0
H02	F	54	Uterus, endometrium	Adenocarcinoma	III	T2N1M0
H03	F	56	Uterus, endometrium	Adenocarcinoma	III	T2N0M0
H04	F	63	Uterus, endometrium	Adenocarcinoma	III	T2N0M0
H05	F	50	Uterus, endometrium	Adenocarcinoma	III	T1N0M0
H06	F	41	Uterus, endometrium	Adenocarcinoma	III	T1N0M0
H07	F	56	Uterus, endometrium	Adenosquamous carcinoma	null	T1N0M0



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H08	F	56	Uterus, endometrium	Adenosquamous carcinoma	null	T1N0M0
H09	F	51	Uterus, endometrium	Adenosquamous carcinoma	null	T1N0M0
H10	F	50	Uterus, endometrium	Adenosquamous carcinoma	null	T2N0M0
H11	F	36	Uterus, endometrium	Undifferentiated carcinoma	null	T1N0M0
H12	F	66	Uterus, endometrium	Undifferentiated carcinoma	null	T1N0M0

**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).

**Certified by:** Langxing Pan, 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 involve 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

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 tumors, 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		