



**EMC241 - Endometrial cancer/adjacent paired tissue array**

Lot#	Cores	Size	Cut	Format	QA/QC		
EMC24101	24	2.5mm	4um	4X6	H&E, IHC anti-Cytokeratin		

**Recommended applications:** For Research use only. Designed for endometrium normal vs cancer RNA or protein tissue profiling using IHC or *ISH*.

**Description:** 12 cases of endometrial 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 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	54	Uterus, endometrium	Adenocarcinoma	I	T1N0M0
A02	F	53	Uterus, endometrium	Adenocarcinoma	I	T1N0M0
A03	F	49	Uterus, endometrium	Adenocarcinoma	I~II	T2N0M0
A04	F	60	Uterus, endometrium	Adenocarcinoma	I~II	T1N0M0
A05	F	56	Uterus, endometrium	Adenocarcinoma	I	T1N0M0
A06	F	60	Uterus, endometrium	Adenocarcinoma	I~II	T1N0M0
B01	F	54	Uterus, endometrium	Uninvolved endometrial tissue of A1	null	null
B02	F	53	Uterus, endometrium	Uninvolved endometrial tissue of A2	null	null
B03	F	49	Uterus, endometrium	Uninvolved endometrial tissue of A3	null	null
B04	F	60	Uterus, endometrium	Uninvolved endometrial tissue of A4	null	null
B05	F	56	Uterus, endometrium	Uninvolved endometrial tissue of A5	null	null
B06	F	60	Uterus, endometrium	Uninvolved endometrial tissue of A6	null	null
C01	F	40	Uterus, endometrium	Adenocarcinoma	I~II	T2N1M0
C02	F	49	Uterus, endometrium	Adenocarcinoma	I~II	T1N0M0
C03	F	52	Uterus, endometrium	Adenocarcinoma	I~II	T1N0M0
C04	F	46	Uterus, endometrium	Adenocarcinoma	III	T1N0M0
C05	F	59	Uterus, endometrium	Adenocarcinoma	III	T1N0M0
C06	F	74	Uterus, endometrium	Adenocarcinoma	III	T1N0M0
D01	F	40	Uterus, endometrium	Uninvolved endometrial tissue of C1	null	null
D02	F	49	Uterus, endometrium	Uninvolved endometrial tissue of C2	null	null
D03	F	52	Uterus, endometrium	Uninvolved endometrial tissue of C3	null	null
D04	F	46	Uterus, endometrium	Uninvolved endometrial tissue of C4	null	null
D05	F	59	Uterus, endometrium	Uninvolved endometrial tissue of C5	null	null
D06	F	74	Uterus, endometrium	Uninvolved endometrial tissue of C6	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).

**Certified by:** Fancal Li, M.D.



## TNM Classification: Endometrium carcinoma

### T- Primary tumor

- TX - Primary tumor cannot be assessed
- T0 - 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		