



Cat No: **EMC2281 - Endometrial cancer tissue array**

Lot#	Cores	Size	Cut	Format	QA/QC	Pantomics, Inc.	
EMC228101	228	1.1mm	4um	12X19	H&E, IHC anti-Cytokeratin		

Recommended applications: For research use only. Designed for IHC or ISH based protein or RNA tissue profiling in various endometrium cancers.

Description: Endometrial cancer tissue array containing 28 cases of normal-benign conditions and 200 cases of cancers with grading and TNM staging data.

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	42	Uterus, endometrium	Normal	null	null
A02	F	44	Uterus, endometrium	Normal	null	null
A03	F	52	Uterus, endometrium	Normal	null	null
A04	F	47	Uterus, endometrium	Normal	null	null
A05	F	45	Uterus, endometrium	Normal	null	null
A06	F	39	Uterus, endometrium	Normal	null	null
A07	F	50	Uterus, endometrium	Normal	null	null
A08	F	48	Uterus, endometrium	Normal	null	null
A09	F	50	Uterus, endometrium	Normal	null	null
A10	F	45	Uterus, endometrium	Normal	null	null
A11	F	50	Uterus, endometrium	Normal	null	null
A12	F	45	Uterus, endometrium	Normal	null	null
A13	F	44	Uterus, endometrium	Normal	null	null
A14	F	49	Uterus, endometrium	Normal	null	null
A15	F	48	Uterus, endometrium	Normal	null	null
A16	F	42	Uterus, endometrium	Normal	null	null
A17	F	50	Uterus, endometrium	Normal	null	null
A18	F	48	Uterus, endometrium	Normal	null	null
A19	F	49	Uterus, endometrium	Normal	null	null
B01	F	38	Uterus, endometrium	Normal	null	null
B02	F	50	Uterus, endometrium	Normal	null	null
B03	F	49	Uterus, endometrium	Normal	null	null
B04	F	48	Uterus, endometrium	Normal	null	null
B05	F	42	Uterus, endometrium	Normal	null	null
B06	F	48	Uterus, endometrium	Normal	null	null
B07	F	41	Uterus, endometrium	Normal	null	null
B08	F	40	Uterus, endometrium	Normal	null	null
B09	F	50	Uterus, endometrium	Normal	null	null
B10	F	56	Uterus, endometrium	Endometrioid carcinoma	I	T2N0M0
B11	F	41	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
B12	F	58	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
B13	F	55	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
B14	F	52	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
B15	F	38	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
B16	F	43	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
B17	F	45	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
B18	F	46	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
B19	F	43	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
C01	F	60	Uterus, endometrium	Endometrioid carcinoma	I	T2N0M0
C02	F	65	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0



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C03	F	47	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
C04	F	47	Uterus, endometrium	Endometrioid carcinoma	I	T2N0M0
C05	F	43	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
C06	F	48	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
C07	F	58	Uterus, endometrium	Endometrioid carcinoma	I	T2N0M0
C08	F	45	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
C09	F	47	Uterus, endometrium	Endometrioid carcinoma	I	T2N1M0
C10	F	47	Uterus, endometrium	Endometrioid carcinoma	I	T3N1M0
C11	F	67	Uterus, endometrium	Endometrioid carcinoma	I	T2N0M0
C12	F	48	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
C13	F	44	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
C14	F	48	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
C15	F	46	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
C16	F	51	Uterus, endometrium	Endometrioid carcinoma	I	T2N0M0
C17	F	48	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
C18	F	57	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
C19	F	46	Uterus, endometrium	Endometrioid carcinoma	I	T1N1M0
D01	F	63	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
D02	F	50	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
D03	F	53	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
D04	F	53	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
D05	F	65	Uterus, endometrium	Endometrioid carcinoma	I	T1N1M0
D06	F	39	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
D07	F	51	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
D08	F	48	Uterus, endometrium	Endometrioid carcinoma	I	T2N0M0
D09	F	47	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
D10	F	58	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
D11	F	49	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
D12	F	46	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
D13	F	48	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
D14	F	48	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
D15	F	38	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
D16	F	44	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
D17	F	49	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
D18	F	60	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
D19	F	53	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
E01	F	37	Uterus, endometrium	Endometrioid carcinoma	I	T2N0M0
E02	F	45	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
E03	F	49	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
E04	F	67	Uterus, endometrium	Endometrioid carcinoma	I	T2N0M0
E05	F	47	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
E06	F	58	Uterus, endometrium	Endometrioid carcinoma	I	T1N1M0
E07	F	46	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
E08	F	52	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
E09	F	54	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
E10	F	49	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
E11	F	64	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
E12	F	49	Uterus, endometrium	Endometrioid carcinoma	I	T2N0M0
E13	F	53	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
E14	F	49	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
E15	F	55	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
E16	F	61	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
E17	F	48	Uterus, endometrium	Endometrioid carcinoma	I	T1N1M0
E18	F	35	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
E19	F	44	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
F01	F	47	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
F02	F	58	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
F03	F	40	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
F04	F	51	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
F05	F	55	Uterus, endometrium	Endometrioid carcinoma	I	T3N1M0
F06	F	52	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0



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F07	F	53	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
F08	F	62	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
F09	F	51	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
F10	F	61	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
F11	F	59	Uterus, endometrium	Endometrioid carcinoma	I	T1N0M0
F12	F	48	Uterus, endometrium	Endometrioid carcinoma	I~II	T1N0M0
F13	F	37	Uterus, endometrium	Endometrioid carcinoma	I~II	T1N0M0
F14	F	34	Uterus, endometrium	Endometrioid carcinoma	I~II	T1N0M0
F15	F	34	Uterus, endometrium	Endometrioid carcinoma	I~II	T1N0M0
F16	F	57	Uterus, endometrium	Endometrioid carcinoma	I~II	T1N0M0
F17	F	45	Uterus, endometrium	Endometrioid carcinoma	I~II	T1N0M0
F18	F	48	Uterus, endometrium	Endometrioid carcinoma	I~II	T1N0M0
F19	F	66	Uterus, endometrium	Endometrioid carcinoma	I~II	T1N0M0
G01	F	73	Uterus, endometrium	Endometrioid carcinoma	I~II	T2N0M0
G02	F	57	Uterus, endometrium	Endometrioid carcinoma	I~II	T1N0M0
G03	F	62	Uterus, endometrium	Endometrioid carcinoma	I~II	T1N0M0
G04	F	49	Uterus, endometrium	Endometrioid carcinoma	I~II	T1N0M0
G05	F	45	Uterus, endometrium	Endometrioid carcinoma	I~II	T1N0M0
G06	F	58	Uterus, endometrium	Endometrioid carcinoma	I~II	T1N0M0
G07	F	61	Uterus, endometrium	Endometrioid carcinoma	I~II	T2N1M0
G08	F	43	Uterus, endometrium	Endometrioid carcinoma	I~II	T2N1M0
G09	F	51	Uterus, endometrium	Endometrioid carcinoma	II	T2N1M0
G10	F	45	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
G11	F	64	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
G12	F	55	Uterus, endometrium	Endometrioid carcinoma	II	T2N1M0
G13	F	55	Uterus, endometrium	Endometrioid carcinoma	II	T2N1M0
G14	F	55	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
G15	F	65	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
G16	F	60	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
G17	F	65	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
G18	F	58	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
G19	F	48	Uterus, endometrium	Endometrioid carcinoma	II	T3N0M0
H01	F	57	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
H02	F	46	Uterus, endometrium	Endometrioid carcinoma	II	TisN0M0
H03	F	54	Uterus, endometrium	Endometrioid carcinoma	II	T2N0M0
H04	F	60	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
H05	F	48	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
H06	F	70	Uterus, endometrium	Endometrioid carcinoma	II	T4N0M0
H07	F	56	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
H08	F	52	Uterus, endometrium	Endometrioid carcinoma	II	T2N0M0
H09	F	43	Uterus, endometrium	Endometrioid carcinoma	II	T2N0M0
H10	F	48	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
H11	F	48	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
H12	F	43	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
H13	F	52	Uterus, endometrium	Endometrioid carcinoma	II	T2N0M0
H14	F	67	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
H15	F	73	Uterus, endometrium	Endometrioid carcinoma	II	T2N1M0
H16	F	55	Uterus, endometrium	Endometrioid carcinoma	II	T2N0M0
H17	F	55	Uterus, endometrium	Endometrioid carcinoma	II	T1N1M0
H18	F	59	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
H19	F	55	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
I01	F	58	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
I02	F	56	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
I03	F	51	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
I04	F	41	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
I05	F	55	Uterus, endometrium	Endometrioid carcinoma	II	T1N1M0
I06	F	44	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
I07	F	36	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
I08	F	42	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
I09	F	58	Uterus, endometrium	Endometrioid carcinoma	II	T1N1M0
I10	F	49	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0



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I11	F	63	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
I12	F	53	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
I13	F	57	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
I14	F	58	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
I15	F	51	Uterus, endometrium	Endometrioid carcinoma	II	T2N0M0
I16	F	63	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
I17	F	48	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
I18	F	69	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
I19	F	62	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
J01	F	50	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
J02	F	55	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
J03	F	60	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
J04	F	39	Uterus, endometrium	Endometrioid carcinoma	II	T1N0M0
J05	F	46	Uterus, endometrium	Endometrioid carcinoma	II~III	T1N0M0
J06	F	57	Uterus, endometrium	Endometrioid carcinoma	II~III	T1N0M0
J07	F	48	Uterus, endometrium	Endometrioid carcinoma	II~III	T4N0M0
J08	F	34	Uterus, endometrium	Endometrioid carcinoma	II~III	T1N0M0
J09	F	51	Uterus, endometrium	Endometrioid carcinoma	II~III	T1N0M0
J10	F	45	Uterus, endometrium	Endometrioid carcinoma	II~III	T2N1M0
J11	F	46	Uterus, endometrium	Endometrioid carcinoma	II~III	T1N0M0
J12	F	57	Uterus, endometrium	Endometrioid carcinoma	II~III	T3N1M0
J13	F	43	Uterus, endometrium	Endometrioid carcinoma, no tumor cells	II~III	T1N1M0
J14	F	58	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
J15	F	59	Uterus, endometrium	Endometrioid carcinoma	III	T4N0M0
J16	F	57	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
J17	F	50	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
J18	F	57	Uterus, endometrium	Endometrioid carcinoma	III	T2N0M0
J19	F	55	Uterus, endometrium	Endometrioid carcinoma	III	T3N0M0
K01	F	52	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
K02	F	52	Uterus, endometrium	Endometrioid carcinoma	III	T2N0M0
K03	F	57	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
K04	F	50	Uterus, endometrium	Endometrioid carcinoma	III	T2N0M0
K05	F	55	Uterus, endometrium	Endometrioid carcinoma	III	T3N1M0
K06	F	68	Uterus, endometrium	Endometrioid carcinoma	III	T2N0M0
K07	F	53	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
K08	F	56	Uterus, endometrium	Endometrioid carcinoma	III	T2N1M0
K09	F	57	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
K10	F	57	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
K11	F	48	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
K12	F	61	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
K13	F	53	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
K14	F	42	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
K15	F	52	Uterus, endometrium	Endometrioid carcinoma	III	T2N0M0
K16	F	61	Uterus, endometrium	Endometrioid carcinoma	III	T3N1M0
K17	F	75	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
K18	F	55	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
K19	F	52	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
L01	F	49	Uterus, endometrium	Endometrioid carcinoma	III	T2N1M0
L02	F	53	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
L03	F	53	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
L04	F	58	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
L05	F	36	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
L06	F	50	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
L07	F	71	Uterus, endometrium	Endometrioid carcinoma	III	T1N1M0
L08	F	75	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
L09	F	71	Uterus, endometrium	Endometrioid carcinoma	III	T1N1M0
L10	F	66	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
L11	F	53	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
L12	F	68	Uterus, endometrium	Endometrioid carcinoma	III	T1N1M0
L13	F	52	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
L14	F	57	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0

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L15	F	52	Uterus, endometrium	Endometrioid carcinoma	III	T2N0M0
L16	F	51	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
L17	F	55	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
L18	F	58	Uterus, endometrium	Endometrioid carcinoma	III	T1N0M0
L19	F	59	Uterus, endometrium	Endometrioid carcinoma	III	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.

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		