



Cat No: KIC1501 - Kidney cancer tissue array

Lot#	Cores	Size	Cut	Format	QA/QC	Pantomics, Inc.	
KIC150101	150	1.1mm	4um	10X15	H&E, IHC anti-Cytokeratin		

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

Description: Kidney cancer tissue array, 150 cores including 75 cases of normal, reactive and cancerous tissues of the kidney 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	Age	Sex	Anatomic site	Histology	Grade	Stage (TNM)
A1,B1	18	M	Kidney	Normal (cortex)		
A2,B2	40	M	Kidney	Normal (cortex)		
A3,B3	51	F	Kidney	Normal (cortex)		
A4,B4	43	F	Kidney	Chronic pyelonephritis		
A5,B5	36	M	Kidney	Leiomyoma of blood vessel		
A6,B6	49	F	Kidney	Leiomyoma of blood vessel		
A7,B7	74	M	Kidney	Sarcoma		T3N2M0
A8,B8	53	F	Kidney	Clear cell carcinoma		T1N0M0
A9,B9	36	M	Kidney	Papillary renal cell carcinoma		T1N1M0
A10,B10	63	M	Kidney	Papillary renal cell carcinoma		T1N0M0
A11,B11	44	M	Kidney	Clear cell carcinoma		T1N0M0
A12,B12	40	M	Kidney	Clear cell carcinoma		T1N0M0
A13,B13	57	M	Kidney	Clear cell carcinoma		T1N0M0
A14,B14	55	M	Kidney	Clear cell carcinoma		T1N0M0
A15,B15	29	F	Kidney	Papillary renal cell carcinoma		T1N1M0
C1,D1	58	M	Kidney	Papillary renal cell carcinoma		T2N0M0
C2,D2	56	F	Kidney	Clear cell carcinoma		T2N0M0
C3,D3	48	F	Kidney	Papillary renal cell carcinoma		T1N0M0
C4,D4	50	M	Kidney	Clear cell carcinoma		T2N0M0
C5,D5	77	M	Kidney	Clear cell carcinoma		T1N0M0
C6,D6	54	F	Kidney	Chromophobe cell carcinoma		T1N1M0
C7,D7	60	M	Kidney	Clear cell carcinoma		T1N0M0
C8,D8	64	M	Kidney	Clear cell carcinoma		T1N0M0
C9,D9	62	M	Kidney	Chromophobe cell carcinoma		T1N0M0
C10,D10	71	M	Kidney	Transitional cell carcinoma	II	T2N0M0
C11,D11	74	F	Kidney	Clear cell carcinoma		T1N0M0
C12,D12	71	M	Kidney	Clear cell carcinoma		T2N0M0
C13,D13	72	F	Kidney	Papillary renal cell carcinoma		T1N0M0
C14,D14	53	M	Kidney	Clear cell carcinoma		T1N0M0
C15,D15	68	M	Kidney	Clear cell carcinoma		T2N0M0
E1,F1	67	M	Kidney	Papillary renal cell carcinoma		T1N0M0
E2,F2	67	M	Kidney	Clear cell carcinoma		T1N0M0
E3,F3	71	M	Kidney	Clear cell carcinoma		T1N0M0
E4,F4	51	M	Kidney	Clear cell carcinoma		T1N0M0
E5,F5	71	F	Kidney	Clear cell carcinoma		T1N0M0
E6,F6	48	M	Kidney	Papillary renal cell carcinoma		T2N0M0



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E7,F7	73	M	Kidney	Lymphoma		
E8,F8	43	M	Kidney	Clear cell carcinoma		T1NOMO
E9,F9	50	F	Kidney	Papillary renal cell carcinoma		T1NOMO
E10,F10	41	M	Kidney	Transitional cell carcinoma	III	T2NOMO
E11,F11	34	M	Kidney	Squamous cell carcinoma	I	T1NOMO
E12,F12	43	F	Kidney	Chromophobe cell carcinoma		T1NOMO
E13,F13	30	M	Kidney	Clear cell carcinoma		T1NOMO
E14,F14	79	F	Kidney	Clear cell carcinoma		T1NOMO
E15,F15	61	M	Kidney	Squamous cell carcinoma	I ~ II	T2NOMO
G1,H1	40	M	Kidney	Clear cell carcinoma		T2NOMO
G2,H2	48	M	Kidney	Clear cell carcinoma		T1NOMO
G3,H3	87	F	Kidney	Mucinous tubular carcinoma		T1NOMO
G4,H4	50	M	Kidney	Carcinosarcoma		T1NOMO
G5,H5	50	F	Kidney	Clear cell carcinoma		T2NOMO
G6,H6	35	F	Kidney	Clear cell carcinoma		T1NOMO
G7,H7	55	M	Kidney	Transitional cell carcinoma	II	T2NOMO
G8,H8	52	M	Kidney	Squamous cell carcinoma	II ~ III	T1NOMO
G9,H9	62	M	Kidney	Transitional cell carcinoma	II	T1NOMO
G10,H10	50	M	Kidney	Mixed clear cell and papillary renal cell carcinoma		T1NOMO
G11,H11	51	M	Kidney	Transitional cell carcinoma	III	T2N1M0
G12,H12	61	M	Kidney	Transitional cell carcinoma	I ~ II	T1N1M0
G13,H13	48	M	Kidney	Clear cell carcinoma		T2NOMO
G14,H14	15	M	Kidney	Transitional cell carcinoma	II	T1NOMO
G15,H15	42	M	Kidney	Transitional cell carcinoma	II	T1NOMO
I1,J1	60	M	Kidney	Clear cell carcinoma		T1NOMO
I2,J2	70	M	Kidney	Transitional cell carcinoma	II ~ III	T1N1M0
I3,J3	49	M	Kidney	Clear cell carcinoma		T1NOMO
I4,J4	41	M	Kidney	Chromophobe cell carcinoma		T2NOMO
I5,J5	61	M	Kidney	Transitional cell carcinoma	II	T1NOMO
I6,J6	32	M	Kidney	Lymphoma		T1NOMO
I7,J7	54	M	Kidney	Clear cell carcinoma		T1NOMO
I8,J8	7	M	Kidney	Clear cell sarcoma?		
I9,J9	22	F	Kidney	Sarcoma		
I10,J10	56	M	Kidney	Clear cell carcinoma		T1NOMO
I11,J11	38	F	Kidney	Chromophobe cell carcinoma		T1NOMO
I12,J12	29	F	Kidney	Chromophobe cell carcinoma		T1NOMO
I13,J13	60	F	Kidney	Mixed clear cell and papillary renal cell carcinoma		T1NOMO
I14,J14	46	M	Kidney	Clear cell carcinoma		T1NOMO
I15,J15	48	F	Kidney	Clear cell carcinoma		T1NOMO

Notes: Please bake the slides at 60C for 30 minutes before use, and use a mild antigen retrieval method.

Certified by: Langxing Pan, M.D.

TNM Classification : Kidney carcinoma

T- Primary tumor

TX - Primary tumor cannot be assessed

TO - No evidence of primary tumor



T1 - Tumor 7.0 cm or less in greatest dimension, limited to the kidney

T2 - Tumor more than 7,0 cm, limited to the kidney

T3 - Tumor extends into major veins or invades adrenal gland or perinephric tissue but not beyond Gerota fascia

T4 - Tumor invades beyond Gerota fascia

N - Regional lymph nodes

NX - Regional lymph nodes cannot be assessed

NO - No regional lymph node metastasis

N1 - Metastasis in a single regional lymph node

N2 - Metastasis in more than one 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)