



Cat No: KIC1021 Kidney cancer tissue array

Lot#	Cores	Size	Cut	Format	QA/QC	QUICKARRAYS, INC.	
KIC102101	102	1.5mm	4um	8X13	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, 102 cases of normal/benign (5 cases) and cancer (97 cases) tissues 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	54	Kidney	Kidney cortex	null	null
A02	M	75	Kidney	Normal kidney cortex	null	null
A03	F	54	Kidney	Kidney medulla	null	null
A04	M	73	Kidney	Chronic pyelonephritis	null	null
A05	F	44	Kidney	Oxyphil cell tumor	null	null
A06	F	53	Kidney	Clear cell carcinoma	null	T1N0M0
A07	F	56	Kidney	Clear cell carcinoma	null	T2N0M0
A08	M	60	Kidney	Clear cell carcinoma	null	T1N0M0
A09	M	64	Kidney	Clear cell carcinoma	null	T1N0M0
A10	M	72	Kidney	Clear cell carcinoma	null	T1N0M0
A11	M	53	Kidney	Clear cell carcinoma	null	T1N0M0
A12	M	68	Kidney	Clear cell carcinoma	null	T2N0M0
A13	M	51	Kidney	Clear cell carcinoma	null	T1N0M0
B01	F	71	Kidney	Clear cell carcinoma	null	T1N0M0
B02	M	43	Kidney	Clear cell carcinoma	null	T2N0M0
B03	F	79	Kidney	Clear cell carcinoma	null	T1N0M0
B04	F	50	Kidney	Clear cell carcinoma	null	T1N0M0
B05	M	48	Kidney	Clear cell carcinoma	null	T1N0M0
B06	M	60	Kidney	Clear cell carcinoma	null	T1N0M0
B07	M	49	Kidney	Clear cell carcinoma	null	T1N0M0
B08	M	56	Kidney	Clear cell carcinoma	null	T1N0M0
B09	M	65	Kidney	Clear cell carcinoma	null	T1N0M0
B10	M	65	Kidney	Clear cell carcinoma	null	T2N0M0
B11	F	55	Kidney	Clear cell carcinoma	null	T2N0M0
B12	F	72	Kidney	Clear cell carcinoma	null	T2N0M0
B13	M	72	Kidney	Clear cell carcinoma	null	T2N0M0
C01	M	49	Kidney	Clear cell carcinoma	null	T1N0M0
C02	M	44	Kidney	Clear cell carcinoma	null	T2N0M0
C03	M	69	Kidney	Clear cell carcinoma	null	T2N0M0
C04	F	64	Kidney	Clear cell carcinoma	null	T1N0M0
C05	M	61	Kidney	Clear cell carcinoma	null	T1N0M0
C06	F	51	Kidney	Clear cell carcinoma	null	T1N0M0
C07	M	52	Kidney	Clear cell carcinoma	null	T3N0M0
C08	F	52	Kidney	Clear cell carcinoma	null	T1N0M0
C09	M	60	Kidney	Clear cell carcinoma	null	T1N0M0
C10	M	31	Kidney	Clear cell carcinoma	null	T1N0M0
C11	M	49	Kidney	Clear cell carcinoma	null	T1N0M0
C12	M	54	Kidney	Clear cell carcinoma	null	T1N0M0
C13	M	78	Kidney	Clear cell carcinoma	null	T1N0M0
D01	M	61	Kidney	Clear cell carcinoma	null	T1N0M0



Advancing Biomedical Science Through Tissue Arrays

D02	F	72	Kidney	Clear cell carcinoma	null	T1N0M0
D03	M	45	Kidney	Clear cell carcinoma	null	T1N0M0
D04	F	44	Kidney	Clear cell carcinoma	null	T1N0M0
D05	M	44	Kidney	Clear cell carcinoma	null	T2N0M0
D06	F	14	Kidney	Clear cell carcinoma	null	T2N0M0
D07	F	56	Kidney	Clear cell carcinoma	null	T1N0M0
D08	F	59	Kidney	Clear cell carcinoma	null	T1N0M0
D09	M	54	Kidney	Clear cell carcinoma	null	T1N0M0
D10	M	51	Kidney	Clear cell carcinoma	null	T1N0M0
D11	M	63	Kidney	Clear cell carcinoma	null	T1N0M0
D12	M	51	Kidney	Clear cell carcinoma	null	T1N0M0
D13	M	49	Kidney	Clear cell carcinoma	null	T1N0M0
E01	F	71	Kidney	Clear cell carcinoma	null	T1N0M0
E02	M	66	Kidney	Clear cell carcinoma	null	T3N1M0
E03	M	55	Kidney	Clear cell carcinoma	null	T2N0M0
E04	M	43	Kidney	Clear cell carcinoma	null	T1N0M0
E05	M	60	Kidney	Clear cell carcinoma	null	T1N0M0
E06	M	41	Kidney	Clear cell carcinoma	null	T1N0M0
E07	F	29	Kidney	Papillary renal cell carcinoma	null	T1N1M0
E08	M	48	Kidney	Papillary renal cell carcinoma	null	T1N0M0
E09	M	60	Kidney	Papillary renal cell carcinoma	null	T1N1M0
E10	M	67	Kidney	Papillary renal cell carcinoma	null	T1N0M0
E11	F	50	Kidney	Papillary renal cell carcinoma	null	T1N0M0
E12	F	64	Kidney	Papillary renal cell carcinoma	null	T3N0M0
E13	F	67	Kidney	Papillary renal cell carcinoma	null	T1N0M0
F01	F	43	Kidney	Chromophobe renal cell carcinoma	null	T1N0M0
F02	F	29	Kidney	Chromophobe renal cell carcinoma	null	T1N0M0
F03	M	34	Kidney	Chromophobe renal cell carcinoma	null	T1N0M0
F04	M	61	Kidney	Medullar carcinoma	null	T1N0M0
F05	M	41	Kidney	Granular cell carcinoma	null	T2N0M0
F06	M	69	Kidney	Granular cell carcinoma	null	T1N0M0
F07	F	55	Kidney	Granular cell carcinoma	null	T2N0M0
F08	F	76	Kidney	Granular cell carcinoma	null	T1N0M0
F09	M	60	Kidney	Granular cell carcinoma	null	T2N1M0
F10	M	76	Kidney	Granular cell carcinoma	null	T1N0M0
F11	M	69	Kidney	Granular cell carcinoma	null	T1N0M0
F12	M	43	Kidney	Granular cell carcinoma	null	T1N0M0
F13	F	38	Kidney	Granular cell carcinoma	null	T1N0M0
G01	M	61	Kidney	Transitional cell carcinoma	II	T1N0M0
G02	M	54	Kidney	Transitional cell carcinoma	II	T1N0M0
G03	F	79	Kidney	Transitional cell carcinoma	II	T2N0M0
G04	M	6	Kidney	Transitional cell carcinoma	II	T1N0M0
G05	M	64	Kidney	Transitional cell carcinoma	II~III	T3N1M0
G06	M	55	Kidney	Transitional cell carcinoma	II~III	T1N0M0
G07	F	68	Kidney	Transitional cell carcinoma	II	T1N0M0
G08	M	55	Kidney	Transitional cell carcinoma	III	T2N0M0
G09	M	51	Kidney	Transitional cell carcinoma	III	T2N1M0
G10	M	32	Kidney	Carcinosarcoma?	null	T1N1M0
G11	M	47	Kidney	Transitional cell carcinoma	III	T1N1M0
G12	M	62	Kidney	Transitional cell carcinoma	III	T1N0M0
H01	M	47	Kidney	Transitional cell carcinoma	III	T2N0M0
H02	M	62	Kidney	Adenocarcinoma	II~III	T2N0M0
H03	M	57	Kidney	Squamous cell carcinoma	I~II	T2N1M0
H04	M	72	Kidney	Squamous cell carcinoma	II	T1N0M0
H05	F	81	Kidney	Squamous cell carcinoma	II	T1N0M0
H06	M	52	Kidney	Squamous cell carcinoma	II~III	T1N0M0
H07	M	74	Kidney	Undifferentiated carcinoma	null	T3N1M0
H08	M	7	Kidney	Wilms's tumor	null	null
H09	M	2	Kidney	Nephroblastoma	null	null
H10	M	3	Kidney	Nephroblastoma	null	null
H11	M	73	Kidney	Lymphoma, non-Hodgkin B cell lymphoma	null	null
H12	F	46	Kidney	Lymphoma, diffuse large B cell lymphoma	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.

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)