



Cat No: BLC1501 – Urinary bladder cancer tissue array

Lot#	Cores	Size	Cut	Format	QA/QC	Pantomics, Inc.	
BLC150101	150	1.1mm	4um	10X15	H&E, IHC anti-Cytokeratin		

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

Description: Bladder cancer tissue array, 150 cores including 75 cases of normal, inflammatory (5 cases) and cancer (70 cases) tissues in duplicates, 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	M	55	Bladder, urinary	Chronic cystitis	null	null
A02	M	53	Bladder, urinary	Chronic cystitis	null	null
A03	M	59	Bladder, urinary	Chronic cystitis	null	null
A04	M	69	Bladder, urinary	Chronic cystitis	null	null
A05	M	63	Bladder, urinary	Chronic cystitis	null	null
A06	M	27	Bladder, urinary	Transitional cell carcinoma	I	T1N0M0
A07	M	47	Bladder, urinary	Transitional cell carcinoma	I~II	T1N0M0
A08	M	45	Bladder, urinary	Transitional cell carcinoma	II	T2N0M0
A09	M	68	Bladder, urinary	Adenocarcinoma	III	T2N0M0
A10	M	74	Bladder, urinary	Transitional cell carcinoma	II	T2N0M0
A11	M	78	Bladder, urinary	Transitional cell carcinoma	II~III	T2N0M0
A12	M	76	Bladder, urinary	Adenocarcinoma	I~II	T3N0M0
A13	M	64	Bladder, urinary	Transitional cell carcinoma	III	T3N2M1
A14	M	59	Bladder, urinary	Adenocarcinoma	III	T2N0M1
A15	M	80	Bladder, urinary	Transitional cell carcinoma	II~III	T1N0M0
B01	M	55	Bladder, urinary	Chronic cystitis	null	null
B02	M	53	Bladder, urinary	Chronic cystitis	null	null
B03	M	59	Bladder, urinary	Chronic cystitis	null	null
B04	M	69	Bladder, urinary	Chronic cystitis	null	null
B05	M	63	Bladder, urinary	Chronic cystitis	null	null
B06	M	27	Bladder, urinary	Transitional cell carcinoma	I	T1N0M0
B07	M	47	Bladder, urinary	Transitional cell carcinoma	I~II	T1N0M0
B08	M	45	Bladder, urinary	Transitional cell carcinoma	II	T2N0M0
B09	M	68	Bladder, urinary	Adenocarcinoma	III	T2N0M0
B10	M	74	Bladder, urinary	Transitional cell carcinoma	II	T2N0M0
B11	M	78	Bladder, urinary	Transitional cell carcinoma	II~III	T2N0M0
B12	M	76	Bladder, urinary	Adenocarcinoma	I~II	T3N0M0
B13	M	64	Bladder, urinary	Transitional cell carcinoma	III	T3N2M1
B14	M	59	Bladder, urinary	Adenocarcinoma	III	T2N0M1
B15	M	80	Bladder, urinary	Transitional cell carcinoma	II~III	T1N0M0
C01	F	53	Bladder, urinary	Transitional cell carcinoma	I~II	T1N0M0
C02	M	37	Bladder, urinary	Transitional cell carcinoma	III	T2N0M0
C03	M	65	Bladder, urinary	Transitional cell carcinoma	I~II	T3N0M0
C04	M	50	Bladder, urinary	Adenocarcinoma	II	T3N0M0
C05	F	74	Bladder, urinary	Adenocarcinoma	III	T2N1M0
C06	M	96	Bladder, urinary	Transitional cell carcinoma	I~II	T1N0M0
C07	M	70	Bladder, urinary	Transitional cell carcinoma	III	T2N0M0
C08	M	52	Bladder, urinary	Transitional cell carcinoma	II	T1N0M0
C09	M	61	Bladder, urinary	Transitional cell carcinoma	III	T3N0M0
C10	M	41	Bladder, urinary	Transitional cell carcinoma	III	T4N0M0
C11	M	61	Bladder, urinary	Transitional cell carcinoma	III	T2N0M0



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C12	M	71	Bladder, urinary	Squamous cell carcinoma	I~II	T2N0M0
C13	F	39	Bladder, urinary	Transitional cell carcinoma	III	T2N0M0
C14	M	60	Bladder, urinary	Squamous cell carcinoma	I	T2N0M0
C15	M	75	Bladder, urinary	Transitional cell carcinoma	III	T2N0M0
D01	F	53	Bladder, urinary	Transitional cell carcinoma	I~II	T1N0M0
D02	M	37	Bladder, urinary	Transitional cell carcinoma	III	T2N0M0
D03	M	65	Bladder, urinary	Transitional cell carcinoma	I~II	T3N0M0
D04	M	50	Bladder, urinary	Adenocarcinoma	II	T3N0M0
D05	F	74	Bladder, urinary	Adenocarcinoma	III	T2N1M0
D06	M	96	Bladder, urinary	Transitional cell carcinoma	I~II	T1N0M0
D07	M	70	Bladder, urinary	Transitional cell carcinoma	III	T2N0M0
D08	M	52	Bladder, urinary	Transitional cell carcinoma	II	T1N0M0
D09	M	61	Bladder, urinary	Transitional cell carcinoma	III	T3N0M0
D10	M	41	Bladder, urinary	Transitional cell carcinoma	III	T4N0M0
D11	M	61	Bladder, urinary	Transitional cell carcinoma	III	T2N0M0
D12	M	71	Bladder, urinary	Squamous cell carcinoma	I~II	T2N0M0
D13	F	39	Bladder, urinary	Transitional cell carcinoma	III	T2N0M0
D14	M	60	Bladder, urinary	Squamous cell carcinoma	I	T2N0M0
D15	M	75	Bladder, urinary	Transitional cell carcinoma	III	T2N0M0
E01	M	68	Bladder, urinary	Adenosquamous carcinoma	null	T2N0M0
E02	F	34	Bladder, urinary	Transitional cell carcinoma	II	T1N0M0
E03	M	75	Bladder, urinary	Adenocarcinoma	I~II	T1N0M0
E04	M	66	Bladder, urinary	Transitional cell carcinoma	II	T2N0M0
E05	M	60	Bladder, urinary	Transitional cell carcinoma	I	T1N0M0
E06	M	56	Bladder, urinary	Squamous cell carcinoma	I~II	T3N0M0
E07	M	85	Bladder, urinary	Transitional cell carcinoma	III	T3N0M0
E08	M	67	Bladder, urinary	Transitional cell carcinoma	I~II	T1N0M0
E09	M	71	Bladder, urinary	Transitional cell carcinoma	II~III	T2N0M0
E10	F	54	Bladder, urinary	Transitional cell carcinoma	I~II	T2N0M0
E11	F	65	Bladder, urinary	Transitional cell carcinoma	I~II	T1N0M0
E12	M	57	Bladder, urinary	Transitional cell carcinoma	II~III	T2N0M0
E13	M	73	Bladder, urinary	Transitional cell carcinoma	I	T1N0M0
E14	M	67	Bladder, urinary	Transitional cell carcinoma	III	T3N0M0
E15	M	69	Bladder, urinary	Transitional cell carcinoma	I	T1N0M0
F01	M	68	Bladder, urinary	Adenosquamous carcinoma	null	T2N0M0
F02	F	34	Bladder, urinary	Transitional cell carcinoma	II	T1N0M0
F03	M	75	Bladder, urinary	Adenocarcinoma	I~II	T1N0M0
F04	M	66	Bladder, urinary	Transitional cell carcinoma	II	T2N0M0
F05	M	60	Bladder, urinary	Transitional cell carcinoma	I	T1N0M0
F06	M	56	Bladder, urinary	Squamous cell carcinoma	I~II	T3N0M0
F07	M	85	Bladder, urinary	Transitional cell carcinoma	III	T3N0M0
F08	M	67	Bladder, urinary	Transitional cell carcinoma	I~II	T1N0M0
F09	M	71	Bladder, urinary	Transitional cell carcinoma	II~III	T2N0M0
F10	F	54	Bladder, urinary	Transitional cell carcinoma	I~II	T2N0M0
F11	F	65	Bladder, urinary	Transitional cell carcinoma	I~II	T1N0M0
F12	M	57	Bladder, urinary	Transitional cell carcinoma	II~III	T2N0M0
F13	M	73	Bladder, urinary	Transitional cell carcinoma	I	T1N0M0
F14	M	67	Bladder, urinary	Transitional cell carcinoma	III	T3N0M0
F15	M	69	Bladder, urinary	Transitional cell carcinoma	I	T1N0M0
G01	M	53	Bladder, urinary	Mucinous adenocarcinoma	null	T3N0M0
G02	M	72	Bladder, urinary	Transitional cell carcinoma	II	T2N0M0
G03	M	67	Bladder, urinary	Adenocarcinoma	III	T3N0M0
G04	M	70	Bladder, urinary	Squamous cell carcinoma	II	T3N0M0
G05	M	41	Bladder, urinary	Signet ring cell carcinoma	null	T3N0M0
G06	F	70	Bladder, urinary	Transitional cell carcinoma	I~II	T2N0M0
G07	M	45	Bladder, urinary	Transitional cell carcinoma	I	T1N0M0
G08	M	70	Bladder, urinary	Transitional cell carcinoma	I~II	T2N0M0
G09	M	48	Bladder, urinary	Leiomyosarcoma	null	null
G10	F	74	Bladder, urinary	Transitional cell carcinoma	III	T2N0M0
G11	M	37	Bladder, urinary	Squamous cell carcinoma	I~II	T2N0M0
G12	M	60	Bladder, urinary	Adenocarcinoma	II	T3N0M0
G13	M	52	Bladder, urinary	Transitional cell carcinoma	II	T2N0M0
G14	M	41	Bladder, urinary	Squamous cell carcinoma	I~II	T3N0M0



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G15	M	55	Bladder, urinary	Signet ring cell carcinoma	null	T4N0M0
H01	M	53	Bladder, urinary	Mucinous adenocarcinoma	null	T3N0M0
H02	M	72	Bladder, urinary	Transitional cell carcinoma	II	T2N0M0
H03	M	67	Bladder, urinary	Adenocarcinoma	III	T3N0M0
H04	M	70	Bladder, urinary	Squamous cell carcinoma	II	T3N0M0
H05	M	41	Bladder, urinary	Signet ring cell carcinoma	null	T3N0M0
H06	F	70	Bladder, urinary	Transitional cell carcinoma	I~II	T2N0M0
H07	M	45	Bladder, urinary	Transitional cell carcinoma	I	T1N0M0
H08	M	70	Bladder, urinary	Transitional cell carcinoma	I~II	T2N0M0
H09	M	48	Bladder, urinary	Leiomyosarcoma	null	null
H10	F	74	Bladder, urinary	Transitional cell carcinoma	III	T2N0M0
H11	M	37	Bladder, urinary	Squamous cell carcinoma	I~II	T2N0M0
H12	M	60	Bladder, urinary	Adenocarcinoma	II	T3N0M0
H13	M	52	Bladder, urinary	Transitional cell carcinoma	II	T2N0M0
H14	M	41	Bladder, urinary	Squamous cell carcinoma	I~II	T3N0M0
H15	M	55	Bladder, urinary	Signet ring cell carcinoma	null	T4N0M0
I01	M	60	Bladder, urinary	Squamous cell carcinoma	I	T2N0M0
I02	M	50	Bladder, urinary	Transitional cell carcinoma	II	T2N0M0
I03	M	82	Bladder, urinary	Transitional cell carcinoma	II	T3N0M0
I04	M	61	Bladder, urinary	Transitional cell carcinoma	III	T3N1M0
I05	M	43	Bladder, urinary	Transitional cell carcinoma	I~II	T1N0M0
I06	M	61	Bladder, urinary	Transitional cell carcinoma	II~III	T2N0M0
I07	M	56	Bladder, urinary	Transitional cell carcinoma	II	T2N0M0
I08	M	69	Bladder, urinary	Transitional cell carcinoma	III	T2N0M0
I09	M	63	Bladder, urinary	Adenocarcinoma	II	T2N0M0
I10	M	45	Bladder, urinary	Transitional cell carcinoma	II	T2N0M0
I11	F	39	Bladder, urinary	Transitional cell carcinoma	I	T1N0M0
I12	M	89	Bladder, urinary	Transitional cell carcinoma	II	T1N0M0
I13	M	60	Bladder, urinary	Transitional cell carcinoma	II	T4N0M0
I14	M	56	Bladder, urinary	Transitional cell carcinoma	II~III	T2N0M0
I15	M	38	Bladder, urinary	Transitional cell carcinoma	I	T1N0M0
J01	M	60	Bladder, urinary	Squamous cell carcinoma	I	T2N0M0
J02	M	50	Bladder, urinary	Transitional cell carcinoma	II	T2N0M0
J03	M	82	Bladder, urinary	Transitional cell carcinoma	II	T3N0M0
J04	M	61	Bladder, urinary	Transitional cell carcinoma	III	T3N1M0
J05	M	43	Bladder, urinary	Transitional cell carcinoma	I~II	T1N0M0
J06	M	61	Bladder, urinary	Transitional cell carcinoma	II~III	T2N0M0
J07	M	56	Bladder, urinary	Transitional cell carcinoma	II	T2N0M0
J08	M	69	Bladder, urinary	Transitional cell carcinoma	III	T2N0M0
J09	M	63	Bladder, urinary	Adenocarcinoma	II	T2N0M0
J10	M	45	Bladder, urinary	Transitional cell carcinoma	II	T2N0M0
J11	F	39	Bladder, urinary	Transitional cell carcinoma	I	T1N0M0
J12	M	89	Bladder, urinary	Transitional cell carcinoma	II	T1N0M0
J13	M	60	Bladder, urinary	Transitional cell carcinoma	II	T4N0M0
J14	M	56	Bladder, urinary	Transitional cell carcinoma	II~III	T2N0M0
J15	M	38	Bladder, urinary	Transitional cell carcinoma	I	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: Urinary bladder carcinoma

T Primary tumor

TX Primary tumor cannot be assessed

T0 No evidence of primary tumor

Ta Noninvasive papillary carcinoma

Tis Carcinoma in situ: "flat carcinoma"

T1 Tumor invades subepithelial connective tissue

T2 Tumor invades muscle

T2a Tumor invades superficial muscle (inner half)

T2b Tumor invades deep muscle (outer half)

T3 Tumor invades perivesical tissue

T3a microscopically

T3b macroscopically (extravesical mass)

T4 Tumor directly invades any of the followings: prostate, uterus, vagina, pelvic wall, abdominal wall

T4a Tumor invades prostate, uterus, vagina

T4b Tumor invades pelvic wall, abdominal wall

N Regional lymph nodes

NX Regional lymph nodes cannot be assessed

N0 No regional lymph node metastasis

N1 Metastasis in a single lymph node, 2 cm or less in greatest dimension

N2 Metastasis in a single lymph node more than 2 cm but not more than 5 cm in greatest dimension; or multiple lymph nodes, none more than 5 cm in greatest dimension

N3 Metastasis in a lymph node, more than 5 cm in greatest dimension

M Distant metastasis

MX Distant metastasis cannot be assessed

M0 No distant metastasis

M1 Distant metastasis

AJCC. Cancer Staging Manual. Sixth Edition (2002)