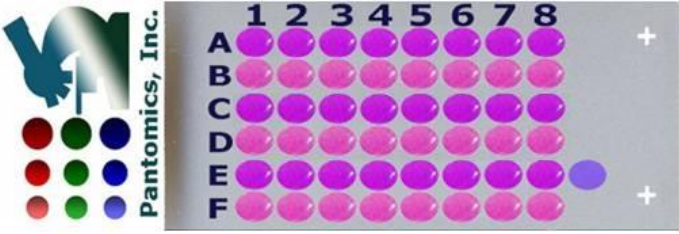


**Cat No: BLC481 - Bladder cancer/adjacent paired tissue array**

Lot#	Cores	Size	Cut	Format	QA/QC	Pantomics, Inc.	
BLC48101	48	2.0mm	4um	6x8	H&E, IHC anti-Cytokeratin		

**Recommended applications:** For research use only. Designed for normal vs cancer IHC or ISH based protein or RNA tissue profiling in various urinary bladder cancers.

**Description:** Bladder cancer tissue array, set 1, containing 24 cases in 48 cores, with normal paired with tumor tissues from the same patients, 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	51	Bladder, urinary	Transitional cell carcinoma	I	T1N0M0
A02	M	64	Bladder, urinary	Transitional cell carcinoma	I	T2N0M0
A03	M	62	Bladder, urinary	Transitional cell carcinoma	I	T2N0M0
A04	M	55	Bladder, urinary	Transitional cell carcinoma	I	T2N0M0
A05	M	65	Bladder, urinary	Transitional cell carcinoma	I~II	T2N0M0
A06	M	69	Bladder, urinary	Transitional cell carcinoma	I~II	T2N0M0
A07	F	36	Bladder, urinary	Transitional cell carcinoma	II	T1N0M0
A08	M	46	Bladder, urinary	Transitional cell carcinoma	II	T1N0M0
B01	F	51	Bladder, urinary	Uninvolved bladder tissue of A01	null	null
B02	M	64	Bladder, urinary	Uninvolved bladder tissue of A02	null	null
B03	M	62	Bladder, urinary	Uninvolved bladder tissue of A03	null	null
B04	M	55	Bladder, urinary	Uninvolved bladder tissue of A04	null	null
B05	M	65	Bladder, urinary	Uninvolved bladder tissue of A05	null	null
B06	M	69	Bladder, urinary	Uninvolved bladder tissue of A06	null	null
B07	F	36	Bladder, urinary	Uninvolved bladder tissue of A07	null	null
B08	M	46	Bladder, urinary	Uninvolved bladder tissue of A08	null	null
C01	M	71	Bladder, urinary	Transitional cell carcinoma	II	T1N0M0
C02	M	70	Bladder, urinary	Transitional cell carcinoma	II	T1N0M1
C03	M	53	Bladder, urinary	Transitional cell carcinoma	II	T2N0M0
C04	M	80	Bladder, urinary	Transitional cell carcinoma	II	T2N0M0
C05	M	69	Bladder, urinary	Transitional cell carcinoma, no tumor cells	II	T3N0M0
C06	M	33	Bladder, urinary	Transitional cell carcinoma	II~III	T1N0M0
C07	M	64	Bladder, urinary	Transitional cell carcinoma	II~III	T2N0M0
C08	M	69	Bladder, urinary	Transitional cell carcinoma	II~III	T2N0M0
D01	M	71	Bladder, urinary	Uninvolved bladder tissue of C01	null	null
D02	M	70	Bladder, urinary	Uninvolved bladder tissue of C02	null	null
D03	M	53	Bladder, urinary	Uninvolved bladder tissue of C03, no epithelium	null	null
D04	M	80	Bladder, urinary	Uninvolved bladder tissue of C04	null	null
D05	M	69	Bladder, urinary	Uninvolved bladder tissue of C05	null	null
D06	M	33	Bladder, urinary	Uninvolved bladder tissue of C06	null	null
D07	M	64	Bladder, urinary	Uninvolved bladder tissue of C07	null	null
D08	M	69	Bladder, urinary	Uninvolved bladder tissue of C08	null	null
E01	M	55	Bladder, urinary	Transitional cell carcinoma	II~III	T2N1M0
E02	M	50	Bladder, urinary	Transitional cell carcinoma	II~III	T3N0M0
E03	M	70	Bladder, urinary	Transitional cell carcinoma	III	T2N0M0
E04	M	57	Bladder, urinary	Transitional cell carcinoma	III	T3N2M0
E05	M	68	Bladder, urinary	Transitional cell carcinoma	III	T2N0M0



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E06	M	64	Bladder, urinary	Transitional cell carcinoma	III	T1N0M0
E07	M	76	Bladder, urinary	Adenocarcinoma	II	T2N0M0
E08	M	73	Bladder, urinary	Transitional cell carcinoma	III	T2N0M0
F01	M	55	Bladder, urinary	Uninvolved bladder tissue of E01	null	null
F02	M	50	Bladder, urinary	Uninvolved bladder tissue of E02	null	null
F03	M	70	Bladder, urinary	Uninvolved bladder tissue of E03	null	null
F04	M	57	Bladder, urinary	Uninvolved bladder tissue of E04	null	null
F05	M	68	Bladder, urinary	Uninvolved bladder tissue of E05	null	null
F06	M	64	Bladder, urinary	Uninvolved bladder tissue of E06	null	null
F07	M	76	Bladder, urinary	Uninvolved bladder tissue of E07	null	null
F08	M	73	Bladder, urinary	Uninvolved bladder tissue of E08	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:** Langxing Pan, 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



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**M Distant metastasis**

MX Distant metastasis cannot be assessed

M0 No distant metastasis

M1 Distant metastasis

AJCC. Cancer Staging Manual. Sixth Edition (2002)