





Cat No: **BLC241 - Bladder cancer/adjacent paired tissue array**

Lot#	Cores	Size	Cut	Format	QA/QC		
BLC24101	24	2.5mm	4um	4X6	H&E, IHC anti-Cytokeratin		

Recommended applications: For research use only. Designed for urinary bladder normal vs cancer RNA or protein tissue profiling using IHC or ISH.

Description: 12 cases of urinary bladder cancer (purple) with corresponding uninvolved tissues (pink) from the same patients as controls.

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	II	T1N0M0
A02	M	57	Bladder, urinary	Transitional cell carcinoma	I	T1N0M0
A03	M	65	Bladder, urinary	Transitional cell carcinoma	I~II	T3N0M0
A04	M	96	Bladder, urinary	Transitional cell carcinoma	I~II	T1N0M0
A05	M	75	Bladder, urinary	Transitional cell carcinoma	III	T2N0M0
A06	M	70	Bladder, urinary	Transitional cell carcinoma	III	T2N0M0
B01	F	51	Bladder, urinary	Uninvolved bladder tissue of A1	null	null
B02	M	57	Bladder, urinary	Uninvolved bladder tissue of A2	null	null
B03	M	65	Bladder, urinary	Uninvolved bladder tissue of A3	null	null
B04	M	96	Bladder, urinary	Uninvolved bladder tissue of A4	null	null
B05	M	75	Bladder, urinary	Uninvolved bladder tissue of A5	null	null
B06	M	70	Bladder, urinary	Uninvolved bladder tissue of A6	null	null
C01	M	61	Bladder, urinary	Transitional cell carcinoma	III	T3N0M0
C02	M	75	Bladder, urinary	Transitional cell carcinoma	III	T2N0M0
C03	M	69	Bladder, urinary	Transitional cell carcinoma	III	T2N0M0
C04	M	63	Bladder, urinary	Adenocarcinoma	II	T2N0M0
C05	M	68	Bladder, urinary	Adenocarcinoma	III	T2N0M0
C06	F	74	Bladder, urinary	Adenocarcinoma	III	T2N1M0
D01	M	61	Bladder, urinary	Uninvolved bladder tissue of C1	null	null
D02	M	75	Bladder, urinary	Uninvolved bladder tissue of C2	null	null
D03	M	69	Bladder, urinary	Uninvolved bladder tissue of C3	null	null
D04	M	63	Bladder, urinary	Uninvolved bladder tissue of C4	null	null
D05	M	68	Bladder, urinary	Uninvolved bladder tissue of C5	null	null
D06	F	74	Bladder, urinary	Uninvolved bladder tissue of C6	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.

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

M Distant metastasis

MX Distant metastasis cannot be assessed

M0 No distant metastasis

M1 Distant metastasis

AJCC. Cancer Staging Manual. Sixth Edition (2002)