



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

| Lot# | Cores | Size | Cut | Format | QA/QC |  |  |
|-----------|-------|-------|-----|--------|---------------------------|---|---|
| BLC 24101 | 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 all have a guaranteed six months' shelf-life at 4C from the date of shipment.

Notes: Please bake the slides at 60C for 30 minutes before use. If antigen retrieving is needed, it is always a good idea to start with a protocol with weak to mild strength.

| Array position | Sex | Age | Pathology | Stage (TNM) | Anatomic site |
|----------------|-----|-----|---|-------------|---------------|
| A1 | M | 45 | Transitional cell carcinoma, grade I~II | T1N0M0 | Bladder |
| B1 | M | 45 | Uninvolved bladder tissue of A1 | - | Bladder |
| A2 | F | 51 | Transitional cell carcinoma, grade I~II | T1N0M0 | Bladder |
| B2 | F | 51 | Uninvolved bladder tissue of A2 | - | Bladder |
| A3 | M | 51 | Transitional cell carcinoma, grade I~II | T1N0M0 | Bladder |
| B3 | M | 51 | Uninvolved bladder tissue of A3 | - | Bladder |
| A4 | M | 78 | Transitional cell carcinoma grade II~III, | T1N0M0 | Bladder |
| B4 | M | 78 | Uninvolved bladder tissue of A4 | - | Bladder |
| A5 | F | 70 | Transitional cell carcinoma, grade II~III | T1N0M0 | Bladder |
| B5 | F | 70 | Uninvolved bladder tissue of A5 | - | Bladder |
| A6 | F | 53 | Transitional cell carcinoma, grade II~III | T1N0M0 | Bladder |
| B6 | F | 53 | Uninvolved bladder tissue of A6 | - | Bladder |
| C1 | F | 37 | Transitional cell carcinoma, grade III | T2N0M0 | Bladder |
| D1 | M | 37 | Uninvolved bladder tissue of C1 | - | Bladder |
| C2 | M | 55 | Transitional cell carcinoma, grade III | T4N2MX | Bladder |
| D2 | M | 55 | Uninvolved bladder tissue of C2 | - | Bladder |
| C3 | F | 44 | Transitional cell carcinoma, grade III | T2N0M1 | Bladder |
| D3 | F | 44 | Uninvolved bladder tissue of C3 | - | Bladder |
| C4 | M | 61 | Transitional cell carcinoma, grade III | T2N0M0 | Bladder |
| D4 | M | 61 | Uninvolved bladder tissue of C4 | - | Bladder |
| C5 | M | 68 | Adenocarcinoma, grade II~III | T2N0M0 | Bladder |
| D5 | M | 68 | Uninvolved bladder tissue of C5 | - | Bladder |
| C6 | M | 76 | Adenocarcinoma, grade II~III | T2N0M0 | Bladder |
| D6 | M | 76 | Uninvolved bladder tissue of C6 | - | Bladder |

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 nodes, 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)