



Cat No **PRC1021** Prostate cancer tissue array, 102 cases

Lot#	Cores	Size	Cut	Format	QA/QC		
PRC102101	102	1.5mm	4um	8X13	H&E, IHC anti-Cytokeratin		

Recommended applications: For research use only. Designed for IHC or ISH based protein or RNA tissue profiling in prostate cancers. Antibody characterization.

Description: Prostate cancer tissue array, 102 cases of normal/benign (7 cases) and cancer (95 cases with grading and TNM staging data) tissues.

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	74	Prostate	Hyperplasia		
A02	M	68	Prostate	Hyperplasia		
A03	M	64	Prostate	Hyperplasia		
A04	M	43	Prostate	Leiomyoma		
A05	M	34	Prostate	Malignant schwannoma		
A06	M	60	Prostate	Adenocarcinoma	II	T2N0M0
A07	M	76	Prostate	Hyperplasia		
A08	M	72	Prostate	Adenocarcinoma	III	T2N0M0
A09	M	63	Prostate	Adenocarcinoma	II	T2N0M0
A10	M	76	Prostate	Adenocarcinoma	I	T2N0M0
A11	M	82	Prostate	Adenocarcinoma	III	T2N0M0
A12	M	88	Prostate	Adenocarcinoma	I	T2N0M0
A13	M	77	Prostate	Adenocarcinoma	II	T2N0M0
B01	M	72	Prostate	Adenocarcinoma	III	T2N0M0
B02	M	78	Prostate	Adenocarcinoma	III	T2N0M0
B03	M	74	Prostate	Adenocarcinoma	III	T3N0M0
B04	M	69	Prostate	Adenocarcinoma	II	T2N0M0
B05	M	73	Prostate	Adenocarcinoma	III	T2N0M0
B06	M	73	Prostate	Adenocarcinoma	III	T2N0M0
B07	M	77	Prostate	Adenocarcinoma	II~III	T2N0M0
B08	M	77	Prostate	Adenocarcinoma	II~III	T1N0M0
B09	M	77	Prostate	Adenocarcinoma	III	T2N0M0
B10	M	62	Prostate	Adenocarcinoma	I	T2N0M0
B11	M	75	Prostate	Adenocarcinoma	III	T2N0M0
B12	M	67	Prostate	Adenocarcinoma	II	T2N0M0
B13	M	73	Prostate	Adenocarcinoma	II	T2N0M0
C01	M	74	Prostate	Adenocarcinoma	I~II	T2N0M1
C02	M	70	Prostate	Adenocarcinoma	III	T2N0M0
C03	M	66	Prostate	Adenocarcinoma	III	T1N0M0
C04	M	75	Prostate	Adenocarcinoma	III	T2N0M0
C05	M	59	Prostate	Adenocarcinoma	I	T2N0M0
C06	M	78	Prostate	Adenocarcinoma	III	T2N0M0
C07	M	79	Prostate	Adenocarcinoma	III	T2N0M0
C08	M	69	Prostate	Adenocarcinoma	I	T1N0M0
C09	M	51	Prostate	Adenocarcinoma	II	T3N1M0
C10	M	55	Prostate	Adenocarcinoma	III	T2N0M0
C11	M	84	Prostate	Adenocarcinoma	III	T1N0M0
C12	M	73	Prostate	Hyperplasia		
C13	M	54	Prostate	Adenocarcinoma	II	T1N0M0



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D01	M	81	Prostate	Adenocarcinoma	III	T2N0M0
D02	M	79	Prostate	Adenocarcinoma	II	T2N0M0
D03	M	80	Prostate	Adenocarcinoma	I	T2N0M0
D04	M	77	Prostate	Adenocarcinoma	II	T2N0M0
D05	M	73	Prostate	Adenocarcinoma	III	T2N0M0
D06	M	68	Prostate	Adenocarcinoma	III	T2N0M0
D07	M	78	Prostate	Adenocarcinoma	III	T2N0M0
D08	M	87	Prostate	Adenocarcinoma	III	T2N0M0
D09	M	70	Prostate	Adenocarcinoma	II	T2N0M0
D10	M	77	Prostate	Adenocarcinoma	I	T4N0M0
D11	M	85	Prostate	Adenocarcinoma	III	T2N0M0
D12	M	84	Prostate	Adenocarcinoma	III	T2N0M0
D13	M	71	Prostate	Adenocarcinoma	III	T2N0M0
E01	M	73	Prostate	Adenocarcinoma	III	T1N0M0
E02	M	66	Prostate	Adenocarcinoma	III	T2N0M0
E03	M	72	Prostate	Adenocarcinoma	I	T2N0M0
E04	M	86	Prostate	Adenocarcinoma	II	T2N0M0
E05	M	75	Prostate	Adenocarcinoma	III	T2N0M0
E06	M	75	Prostate	Adenocarcinoma	II	T2N0M0
E07	M	80	Prostate	Adenocarcinoma	III	T2N0M0
E08	M	71	Prostate	Adenocarcinoma	II	T2N0M0
E09	M	52	Prostate	Adenocarcinoma	III	T2N0M0
E10	M	73	Prostate	Adenocarcinoma	II	T2N0M0
E11	M	73	Prostate	Adenocarcinoma	II	T2N0M0
E12	M	76	Prostate	Adenocarcinoma	II	T2N0M0
E13	M	67	Prostate	Adenocarcinoma	II	T2N0M0
F01	M	76	Prostate	Adenocarcinoma	II	T1N0M0
F02	M	60	Prostate	Adenocarcinoma	III	T2N0M0
F03	M	74	Prostate	Adenocarcinoma	I	T2N0M0
F04	M	73	Prostate	Adenocarcinoma	III	T2N0M0
F05	M	83	Prostate	Adenocarcinoma	II	T2N0M0
F06	M	91	Prostate	Adenocarcinoma	II	T2N0M0
F07	M	67	Prostate	Adenocarcinoma	I	T2N0M0
F08	M	54	Prostate	Adenocarcinoma	II	T1N0M0
F09	M	68	Prostate	Adenocarcinoma	I	T2N0M0
F10	M	82	Prostate	Adenocarcinoma	II	T1N0M0
F11	M	59	Prostate	Adenocarcinoma	II	T4N0M0
F12	M	67	Prostate	Adenocarcinoma	I	T2N0M0
F13	M	86	Prostate	Adenocarcinoma	III	T4N0M0
G01	M	75	Prostate	Adenocarcinoma	II	T2N0M0
G02	M	75	Prostate	Adenocarcinoma	II	T1N0M0
G03	M	71	Prostate	Adenocarcinoma	III	T2N0M0
G04	M	80	Prostate	Adenocarcinoma	II	T2N0M0
G05	M	71	Prostate	Adenocarcinoma	III	T3N0M0
G06	M	67	Prostate	Adenocarcinoma	II	T2N0M0
G07	M	64	Prostate	Adenocarcinoma	III	T2N0M0
G08	M	73	Prostate	Adenocarcinoma	III	T2N0M0
G09	M	71	Prostate	Adenocarcinoma	III	T1N0M0
G10	M	66	Prostate	Adenocarcinoma	III	T4N0M0
G11	M	42	Prostate	Sarcomatoid carcinoma	IV	T2N0M0
G12	M	87	Prostate	Adenocarcinoma	III	T4N0M0
H01	M	61	Prostate	Adenocarcinoma	III	T2N0M0
H02	M	86	Prostate	Adenocarcinoma	II	T2N0M0
H03	M	80	Prostate	Adenocarcinoma	I	T2N0M0
H04	M	68	Prostate	Adenocarcinoma	III	T2N0M0
H05	M	64	Prostate	Adenocarcinoma	II	T4N1M0
H06	M	78	Prostate	Adenocarcinoma	II	T2N0M0
H07	M	72	Prostate	Adenocarcinoma	II	T2N0M0
H08	M	75	Prostate	Adenocarcinoma	III	T2N0M0
H09	M	80	Prostate	Adenocarcinoma	III	T2N0M0
H10	M	77	Prostate	Adenocarcinoma	III	T2N0M0



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H11	M	69	Prostate	Adenocarcinoma	III	T2N0M0
H12	M	60	Prostate	Adenocarcinoma	I	T2N0M0

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.

TNM Classification: Prostate carcinoma

T- Primary tumor

- TX - Primary tumor cannot be assessed
- TO - No evidence of primary tumor
- T1 - Clinically inapparent tumor not palpable or visible by imaging
 - T1a - Tumor incidental histologic findings in 5% or less of tissue resected
 - T1 b - Tumor incidental histologic findings in more than 5% of tissue resected
 - T1c - Tumor identified by needle biopsy
- T2 - Tumor confined within the prostate
 - T2a - Tumor involves one lobe
 - T2b - Tumor involves two lobes
- T3 - Tumor extends through the prostate capsule
 - T3a - Extracapsular extension
 - T3b - Tumor invades seminal vesicle
- T4 - Tumor is fixed or invades adjacent structures other than seminal vesicle: (bladder neck, external sphincter, rectum, levator muscle and/or pelvic wall)

N - Regional lymph nodes

- NX - Regional lymph nodes cannot be assessed
- NO - No regional lymph node metastasis
- N1 - Regional lymph node metastasis

M - Distant metastasis

- MX - Distant metastasis cannot be assessed
- MO - No distant metastasis
- M1 - Distant metastasis
 - M1a - Non-regional lymph node(s)
 - M1b-Bone(s)
 - M1c-Other site(s)

TNM classification of malignant tumours, Fifth Edition (1997)