



**Cat No: NPC961 – Nasopharyngeal carcinoma tissue array**

Lot#	Cores	Size	Cut	Format	QA/QC	
NPC96101	96	1.1mm	4um	8X12	H&E, IHC anti-Cytokeratin	

**Recommended applications:** For Research use only. RNA or protein analyses using IHC or ISH designed for nasopharyngeal carcinoma tissue profiling.

**Description:** Nasopharyngeal carcinoma tissue array (NPC), 96 cores, set 3, non-overlapping with NPC111, NPC481, NPC962, NPC1501, NPC1502 or NPC1503, containing 31 cases of primary tumors with paired normal tissues, 17 cases of lymph node metastatic tumors and 12 cases of normal/reactive nasopharyngeal mucosal 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	Age	Sex	Anatomic Site	Pathology	Grade	Stage
A1	44	M	Nasopharynx	Squamous cell carcinoma	II	T1N0M0
A2	35	M	Nasopharynx	Squamous cell carcinoma	III	T1N2M0
A3	37	M	Nasopharynx	Squamous cell carcinoma	III	T3N0N0
A4	46	M	Nasopharynx	Squamous cell carcinoma	III	T1N1M0
A5	39	M	Nasopharynx	Squamous cell carcinoma	III	
A6	49	M	Nasopharynx	Squamous cell carcinoma	III	
A7	40	M	Nasopharynx	Squamous cell carcinoma	III	
A8	26	F	Nasopharynx	Squamous cell carcinoma	III	T2N2M0
A9	56	M	Nasopharynx	Squamous cell carcinoma	III	T2N2M0
A10	50	M	Nasopharynx	Squamous cell carcinoma	III	T3N1M0
A11	54	F	Nasopharynx	Squamous cell carcinoma	III	T3N2M0
A12	36	M	Nasopharynx	Squamous cell carcinoma	III	T1N2M0
B1	44	M	Nasopharynx	Adjacent mucosa of A1		
B2	35	M	Nasopharynx	Adjacent mucosa of A2		
B3	37	M	Nasopharynx	Adjacent mucosa of A3		
B4	46	M	Nasopharynx	Adjacent mucosa of A4		
B5	39	M	Nasopharynx	Adjacent mucosa of A5		
B6	49	M	Nasopharynx	Adjacent mucosa of A6		
B7	40	M	Nasopharynx	Adjacent mucosa of A7		
B8	26	F	Nasopharynx	Adjacent mucosa of A8		
B9	56	M	Nasopharynx	Adjacent mucosa of A9		
B10	50	M	Nasopharynx	Adjacent mucosa of A10		
B11	54	F	Nasopharynx	Adjacent mucosa of A11		
B12	36	M	Nasopharynx	Adjacent mucosa of A12		
C1	50	M	Nasopharynx	Squamous cell carcinoma	III	T2N1M0
C2	35	M	Nasopharynx	Squamous cell carcinoma	III	T2N1M0
C3	42	M	Nasopharynx	Squamous cell carcinoma	III	T3N1M0
C4		M	Nasopharynx	Squamous cell carcinoma	III	T2N0M0
C5		M	Nasopharynx	Squamous cell carcinoma	III	T1N1M0
C6	37	M	Nasopharynx	Squamous cell carcinoma	III	T3N2M0
C7	48	M	Nasopharynx	Squamous cell carcinoma	III	T4N1M1
C8	35	F	Nasopharynx	Squamous cell carcinoma	III	T4N0M0
C9	40	F	Nasopharynx	Squamous cell carcinoma	III	
C10	40	M	Nasopharynx	Squamous cell carcinoma	III	T4N0M0
C11	57	F	Nasopharynx	Squamous cell carcinoma	III	T4N2M0
C12	35	M	Nasopharynx	Squamous cell carcinoma	III	T1N1M0
D1	50	M	Nasopharynx	Adjacent mucosa of C1		
D2	35	M	Nasopharynx	Adjacent mucosa of C2		
D3	42	M	Nasopharynx	Adjacent mucosa of C3		
D4		M	Nasopharynx	Adjacent mucosa of C4		
D5		M	Nasopharynx	Adjacent mucosa of C5		
D6	37	M	Nasopharynx	Adjacent mucosa of C6		



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D7	48	M	Nasopharynx	Adjacent mucosa of C7		
D8	35	F	Nasopharynx	Adjacent mucosa of C8		
D9	40	F	Nasopharynx	Adjacent mucosa of C9		
D10	40	M	Nasopharynx	Adjacent mucosa of C10		
D11	57	F	Nasopharynx	Adjacent mucosa of C11		
D12	35	M	Nasopharynx	Adjacent mucosa of C12		
E1	35	M	Nasopharynx	Squamous cell carcinoma	III	T1N2M0
E2	51	M	Nasopharynx	Squamous cell carcinoma	III	
E3	31	M	Nasopharynx	Squamous cell carcinoma	III	T2N1M1
E4	50	M	Nasopharynx	Squamous cell carcinoma	III	T2N2M0
E5	45	M	Nasopharynx	Squamous cell carcinoma	III	T1N1M0
E6	46	M	Nasopharynx	Squamous cell carcinoma	III	
E7	50	M	Nasopharynx	Squamous cell carcinoma	III	
E8	41	M	Nasopharynx	Squamous cell carcinoma	III	
E9	51	M	Nasopharynx	Squamous cell carcinoma	III	
E10	32	M	Nasopharynx	Squamous cell carcinoma	III	
E11	40	M	Nasopharynx	Squamous cell carcinoma	III	
E12	48	M	Nasopharynx	Squamous cell carcinoma	III	
F1	35	M	Nasopharynx	Adjacent mucosa of E1		
F2	51	M	Nasopharynx	Adjacent mucosa of E2		
F3	31	M	Nasopharynx	Adjacent mucosa of E3		
F4	50		Nasopharynx	Adjacent mucosa of E4		
F5	45	M	Nasopharynx	Adjacent mucosa of E5		
F6	46	M	Nasopharynx	Adjacent mucosa of E6		
F7	50	M	Nasopharynx	Adjacent mucosa of E7		
F8	41	M	Lymph node	Metastatic NPC		
F9	51	M	Lymph node	Metastatic NPC		
F10	32	M	Lymph node	Metastatic NPC		
F11	40	M	Lymph node	Metastatic NPC		
F12	48	M	Lymph node	Metastatic NPC		
G1	35	M	Lymph node	Metastatic NPC		
G2	51	M	Lymph node	Metastatic NPC		
G3	31	M	Lymph node	Metastatic NPC		
G4	50		Lymph node	Metastatic NPC		
G5	45	M	Lymph node	Metastatic NPC		
G6	46	M	Liver	Metastatic NPC		
G7	50	M	Lymph node	Metastatic NPC		
G8	41	M	Lymph node	Metastatic NPC		
G9	51	M	Lymph node	Metastatic NPC		
G10	32	M	Lymph node	Metastatic NPC		
G11	40	M	Lymph node	Metastatic NPC		
G12	48	M	Lymph node	Metastatic NPC		
H1			Nasopharynx	Normal mucosa		
H2			Nasopharynx	Normal mucosa		
H3			Nasopharynx	Normal mucosa		
H4			Nasopharynx	Normal mucosa		
H5			Nasopharynx	Normal mucosa		
H6			Nasopharynx	Normal mucosa		
H7			Nasopharynx	Normal mucosa		
H8			Nasopharynx	Normal mucosa		
H9			Nasopharynx	Normal mucosa		
H10			Nasopharynx	Normal mucosa		
H11			Nasopharynx	Normal mucosa		
H12			Nasopharynx	Normal mucosa		

**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: Nasopharyngeal carcinoma**

### **T - Primary Tumor**

TX - Primary tumor cannot be assessed

T0 - No evidence of primary tumor

Tis - Carcinoma in situ

T1 - Tumor confined to nasopharynx

T2 - Tumor extends to soft tissue of oropharynx and/or nasal fossa

T2a – without parapharyngeal extension

T2b – with parapharyngeal extension

T3 - Tumor invades bony structures and/or paranasal sinuses

T4 - Tumor with intracranial extension and/or involvement of cranial nerves, infratemporal fossa, hypopharynx, or orbit

### **N - Regional Lymph nodes**

NX - Regional lymph nodes cannot be assessed

N0 - No regional lymph node metastasis

N1 - Unilateral metastasis in lymph node(s), 6cm or less in greatest dimension, above supraclavicular fossa

N2 - Bilateral metastasis in lymph node(s), 6cm or less in greatest dimension, above supraclavicular fossa

N3 - Metastasis in lymph node(s)

(a) greater than 6cm in dimension

(b) in the supraclavicular

### **M - Distant Metastasis**

MX - Distant metastasis cannot be assessed

M0 - No distant metastasis

M1 - Distant metastasis