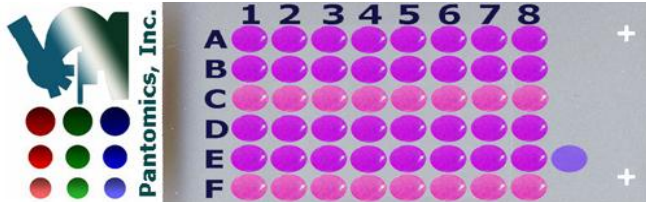


**Cat No: THC481 - Thyroid cancer tissue array with paired normal tissues, 48 samples (2mm)**

Lot#	Cores	Size	Cut	Format	QA/QC	Pantomics, Inc.	
THC48101	48	2mm	4um	6X8	H&E, IHC anti-Cytokeratin		

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

**Description:** Thyroid cancer tissue array, 16 cases, 48 cores, one normal paired with two tumor tissue cores from each patient 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 all have a guaranteed six months' shelf-life at 4C from the date of shipment. There may be >5% tissue core loss, but the core retaining rate should be >90%.

Position	Sex	Age	Anatomic Site	Pathology	Grade	Stage
A01	F	64	Thyroid	Papillary adenocarcinoma	null	T2N1M0
A02	M	51	Thyroid	Papillary adenocarcinoma	null	T1N0M0
A03	M	58	Thyroid	Papillary adenocarcinoma	null	T1N0M0
A04	F	30	Thyroid	Papillary adenocarcinoma	null	T2N0M0
A05	M	37	Thyroid	Papillary adenocarcinoma	null	T2N0M0
A06	F	56	Thyroid	Papillary adenocarcinoma	null	T1N0M0
A07	F	66	Thyroid	Follicular carcinoma	null	T2N0M0
A08	F	16	Thyroid	Papillary adenocarcinoma	null	T3N1M0
B01	F	64	Thyroid	Papillary adenocarcinoma	null	T2N1M0
B02	M	51	Thyroid	Papillary adenocarcinoma	null	T1N0M0
B03	M	58	Thyroid	Papillary adenocarcinoma	null	T1N0M0
B04	F	30	Thyroid	Papillary adenocarcinoma	null	T2N0M0
B05	M	37	Thyroid	Papillary adenocarcinoma	null	T2N0M0
B06	F	56	Thyroid	Papillary adenocarcinoma	null	T1N0M0
B07	F	66	Thyroid	Follicular carcinoma	null	T2N0M0
B08	F	16	Thyroid	Papillary adenocarcinoma	null	T3N1M0
C01	F	64	Thyroid	Uninvolved thyroid tissue of A1,B1	null	null
C02	M	51	Thyroid	Uninvolved thyroid tissue of A2,B2	null	null
C03	M	58	Thyroid	Uninvolved thyroid tissue of A3,B3	null	null
C04	F	30	Thyroid	Uninvolved thyroid tissue of A4,B4	null	null
C05	M	37	Thyroid	Uninvolved thyroid tissue of A5,B5	null	null
C06	F	56	Thyroid	Uninvolved thyroid tissue of A6,B6	null	null
C07	F	66	Thyroid	Uninvolved thyroid tissue of A7,B7	null	null
C08	F	16	Thyroid	Uninvolved thyroid tissue of A8,B8	null	null
D01	F	27	Thyroid	Papillary adenocarcinoma	null	T3N1M0
D02	F	49	Thyroid	Papillary adenocarcinoma	null	T4N0M0
D03	F	27	Thyroid	Papillary adenocarcinoma	null	T2N0M0
D04	F	19	Thyroid	Follicular papillary adenocarcinoma	null	T2N1M0
D05	M	34	Thyroid	Follicular papillary adenocarcinoma	null	T2N1M0
D06	M	16	Thyroid	Follicular carcinoma	null	T3N1M0
D07	F	35	Thyroid	Follicular carcinoma	null	T3N0M0
D08	M	60	Thyroid	Follicular carcinoma	null	T3N0M0
E01	F	27	Thyroid	Papillary adenocarcinoma	null	T3N1M0
E02	F	49	Thyroid	Papillary adenocarcinoma	null	T4N0M0
E03	F	27	Thyroid	Papillary adenocarcinoma	null	T2N0M0
E04	F	19	Thyroid	Follicular papillary adenocarcinoma	null	T2N1M0
E05	M	34	Thyroid	Follicular papillary adenocarcinoma	null	T2N1M0



**Advancing Biomedical Science Through Tissue Arrays**

E06	M	16	Thyroid	Follicular carcinoma	null	T3N1M0
E07	F	35	Thyroid	Follicular carcinoma	null	T3N0M0
E08	M	60	Thyroid	Follicular carcinoma	null	T3N0M0
F01	F	27	Thyroid	Uninvolved thyroid tissue of D1,E1	null	null
F02	F	49	Thyroid	Uninvolved thyroid tissue of D2,E2	null	null
F03	F	27	Thyroid	Uninvolved thyroid tissue of D3,E3	null	null
F04	F	19	Thyroid	Uninvolved thyroid tissue of D4,E4	null	null
F05	M	34	Thyroid	Uninvolved thyroid tissue of D5,E5	null	null
F06	M	16	Thyroid	Uninvolved thyroid tissue of D6,E6	null	null
F07	F	35	Thyroid	Uninvolved thyroid tissue of D7,E7	null	null
F08	M	60	Thyroid	Uninvolved thyroid tissue of D8,E8	null	null

**Notes:** Bake 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. Please check our TNM guide below as a reference. For IHC related information on products that provide them, please contact us at [info@pantomics.com](mailto:info@pantomics.com) for the most up-to-date information

**Certified by:** Langxing Pan, M.D.

## **TNM Classification : Thyroid carcinoma**

### **T- Primary tumor**

TX - Primary tumor cannot be assessed

TO - No evidence of primary tumor

T1 - Tumor 1 cm or less in greatest dimension, limited to the thyroid

T2 - Tumor more than 1 cm but not more than 4 cm in greatest dimension, limited to the thyroid

T3 - Tumor more than 4 cm in greatest dimension, limited to the thyroid

T4 - Tumor of any size extending beyond the thyroid capsule

### **N - Regional lymph nodes**

NX - Regional lymph nodes cannot be assessed

NO - No regional lymph node metastasis

N1 - Regional lymph node metastasis

N1a - Metastasis in ipsilateral cervical lymph nodes

N1b - Metastasis in bilateral, midline, or contralateral cervical or mediastinal lymph nodes



**M - Distant metastasis**

MX - Distant metastasis cannot be assessed

MO - No distant metastasis

M1 - Distant metastasis

Histopathologic Types

- Papillary carcinoma
- Follicular carcinoma
- Medullary carcinoma
- Undifferentiated (anaplastic) carcinoma

TNM classification of malignant tumours, Fifth Edition (1997)