



Cat No: THC241 – Thyroid cancer/normal paired tissue array

Lot#	Cores	Size	Cut	Format	QA/QC	
THC24101	24	2.5mm	4um	4X6	H&E, IHC Cytokeratin	

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

Description: 12 cases of thyroid 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.

Array position	Sex	Age	Pathology	Stage (TNM)	Anatomic site
A1	F	45	Papillary carcinoma grade I~II	T2N0M0	Thyroid
B1	F	45	Uninvolved thyroid tissue of A1	-	Thyroid
A2	M	50	Papillary carcinoma grade I~II	T2N0M0	Thyroid
B2	M	50	Uninvolved thyroid tissue of A2	-	Thyroid
A3	F	30	Papillary carcinoma grade I~II	T2N0M0	Thyroid
B3	F	30	Uninvolved thyroid tissue of A3	-	Thyroid
A4	F	24	Papillary carcinoma grade II~III	T2N1M0	Thyroid
B4	F	24	Uninvolved thyroid tissue of A4	-	Thyroid
A5	F	31	Papillary carcinoma grade II~III	T2N0M0	Thyroid
B5	F	31	Uninvolved thyroid tissue of A5	-	Thyroid
A6	F	52	Papillary carcinoma grade II~III	T2N0M0	Thyroid
B6	F	52	Uninvolved thyroid tissue of A6	-	Thyroid
C1	M	52	Papillary carcinoma grade III	T2N0M0	Thyroid
D1	M	52	Uninvolved thyroid tissue of C1	-	Thyroid
C2	F	31	Papillary carcinoma grade III	T3N0M0	Thyroid
D2	F	31	Uninvolved thyroid tissue of C2	-	Thyroid
C3	F	40	Papillary carcinoma grade III	T1N0M0	Thyroid
D3	F	40	Uninvolved thyroid tissue of C3	-	Thyroid
C4	F	55	Anaplastic carcinoma grade III	T2N1M0	Thyroid
D4	F	55	Uninvolved thyroid tissue of C4	-	Thyroid
C5	F	19	Follicular carcinoma	T2N0M0	Thyroid
D5	F	19	Uninvolved thyroid tissue of C5	-	Thyroid
C6	M	16	Medullary carcinoma	T2N0M0	Thyroid
D6	M	16	Uninvolved thyroid tissue of C6	-	Thyroid

Notes: Bake at 60C for 30 minutes before use.

Certified by: Langxing Pan, M.D., Ph.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)