





Quickarrays, Inc

Phone: 415-863-2380
Support: info@quickarrays.com
Web: www.quickarrays.com

Advancing Biomedical Science Through Tissue Arrays

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 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	F	45	Thyroid	Papillary adenocarcinoma	I~II	T3N0M0
A02	M	50	Thyroid	Papillary adenocarcinoma	I~II	T2N0M0
A03	F	30	Thyroid	Papillary adenocarcinoma	I~II	T2N0M0
A04	F	24	Thyroid	Papillary adenocarcinoma	II~III	T2N1M0
A05	F	31	Thyroid	Papillary adenocarcinoma	II~III	T2N0M0
A06	F	22	Thyroid	Papillary adenocarcinoma	II~III	T2N0M0
B01	F	45	Thyroid	Uninvolved thyroid tissue of A1	null	null
B02	M	50	Thyroid	Uninvolved thyroid tissue of A2	null	null
B03	F	30	Thyroid	Uninvolved thyroid tissue of A3	null	null
B04	F	24	Thyroid	Uninvolved thyroid tissue of A4	null	null
B05	F	31	Thyroid	Uninvolved thyroid tissue of A5	null	null
B06	F	22	Thyroid	Uninvolved thyroid tissue of A6	null	null
C01	M	52	Thyroid	Papillary adenocarcinoma	null	T2N1M0
C02	F	31	Thyroid	Papillary adenocarcinoma	III	T3N0M0
C03	F	40	Thyroid	Adenocarcinoma	II~III	T1N0M0
C04	F	53	Thyroid	Anaplastic carcinoma	III	T2N0M0
C05	F	19	Thyroid	Follicular papillary adenocarcinoma	null	T2N1M0
C06	M	16	Thyroid	Follicular carcinoma	null	T3N1M0
D01	M	52	Thyroid	Uninvolved thyroid tissue of C1	null	null
D02	F	31	Thyroid	Uninvolved thyroid tissue of C2	null	null
D03	F	40	Thyroid	Uninvolved thyroid tissue of C3	null	null
D04	F	53	Thyroid	Uninvolved thyroid tissue of C4	null	null
D05	F	19	Thyroid	Uninvolved thyroid tissue of C5	null	null
D06	M	16	Thyroid	Uninvolved thyroid tissue of C6	null	null

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.



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)