
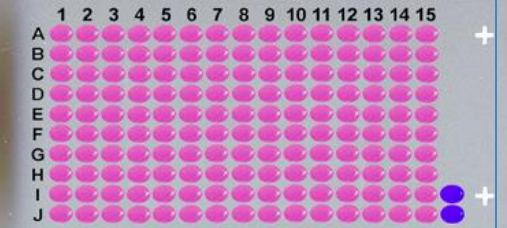


Cat No: THC1501 - Thyroid cancer tissue array of 150 samples

Lot#	Cores	Size	Cut	Format	QA/QC	Pantomics, Inc.	
THC150101	150	1.1mm	4um	10X15	H&E, IHC anti- Cytokeratin		

Recommended applications: For Research use only. RNA or protein thyroid cancer/non-tumor tissue profiling using IHC or ISH.

Description: Thyroid cancer tissue array, 150 cores from normal/benign (5 cases) and cancer (70 cases with grading and TNM staging data) tissues in duplicates.

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	23	Thyroid	Diffuse nontoxic goiter	null	null
A02	M	47	Thyroid	Normal	null	null
A03	M	31	Thyroid	Multi-nodular goiter	null	null
A04	F	60	Thyroid	Multi-nodular goiter	null	null
A05	F	42	Thyroid	Multi-nodular goiter	null	null
A06	F	45	Thyroid	Papillary adenocarcinoma	I~II	T3N0M0
A07	M	57	Thyroid	Papillary adenocarcinoma	null	T4N1M0
A08	M	16	Thyroid	Follicular carcinoma	null	T3N1M0
A09	F	44	Thyroid	Papillary adenocarcinoma	null	T2N0M0
A10	F	54	Thyroid	Medullary carcinoma	null	T2N1M0
A11	M	56	Thyroid	Follicular carcinoma with Hashimoto's thyroiditis	null	T2N0M0
A12	F	54	Thyroid	Papillary adenocarcinoma	null	T2N0M0
A13	F	44	Thyroid	Follicular carcinoma	null	T1N0M0
A14	M	58	Thyroid	Papillary adenocarcinoma	null	T1N0M0
A15	M	26	Thyroid	Follicular carcinoma	null	T2N1M0
B01	M	23	Thyroid	Diffuse nontoxic goiter	null	null
B02	M	47	Thyroid	Normal	null	null
B03	M	31	Thyroid	Multi-nodular goiter	null	null
B04	F	60	Thyroid	Multi-nodular goiter	null	null
B05	F	42	Thyroid	Multi-nodular goiter	null	null
B06	F	45	Thyroid	Papillary adenocarcinoma	I~II	T3N0M0
B07	M	57	Thyroid	Papillary adenocarcinoma	null	T4N1M0
B08	M	16	Thyroid	Follicular carcinoma	null	T3N1M0
B09	F	44	Thyroid	Papillary adenocarcinoma	null	T2N0M0
B10	F	54	Thyroid	Medullary carcinoma	null	T2N1M0
B11	M	56	Thyroid	Follicular carcinoma with Hashimoto's thyroiditis	null	T2N0M0
B12	F	54	Thyroid	Papillary adenocarcinoma	null	T2N0M0
B13	F	44	Thyroid	Follicular carcinoma	null	T1N0M0
B14	M	58	Thyroid	Papillary adenocarcinoma	null	T1N0M0
B15	M	26	Thyroid	Follicular carcinoma	null	T2N1M0
C01	F	11	Thyroid	Papillary adenocarcinoma	null	T3N1M0
C02	F	30	Thyroid	Papillary adenocarcinoma	null	T2N0M0
C03	F	79	Thyroid	Undifferentiated carcinoma	null	T3N1M0
C04	F	58	Thyroid	Papillary adenocarcinoma	null	T1N0M0
C05	F	25	Thyroid	Papillary adenocarcinoma	null	T2N1M0
C06	F	68	Thyroid	Follicular carcinoma	null	T2N1M0
C07	F	28	Thyroid	Follicular carcinoma	null	T2N1M0
C08	F	20	Thyroid	Papillary adenocarcinoma	null	T2N1M0



Advancing Biomedical Science Through Tissue Arrays

C09	F	70	Thyroid	Follicular carcinoma	null	T1N0M0
C10	F	64	Thyroid	Papillary adenocarcinoma	null	T3N1M0
C11	F	18	Thyroid	Papillary adenocarcinoma	null	T2N0M0
C12	F	29	Thyroid	Papillary adenocarcinoma	null	T2N0M0
C13	F	53	Thyroid	Clear cell carcinoma	null	T3N0M0
C14	F	72	Thyroid	Squamous cell carcinoma	null	T3N1M0
C15	M	73	Thyroid	Papillary adenocarcinoma	null	T2N0M0
D01	F	11	Thyroid	Papillary adenocarcinoma	null	T3N1M0
D02	F	30	Thyroid	Papillary adenocarcinoma	null	T2N0M0
D03	F	79	Thyroid	Undifferentiated carcinoma	null	T3N1M0
D04	F	58	Thyroid	Papillary adenocarcinoma	null	T1N0M0
D05	F	25	Thyroid	Papillary adenocarcinoma	null	T2N1M0
D06	F	68	Thyroid	Follicular carcinoma	null	T2N1M0
D07	F	28	Thyroid	Follicular carcinoma	null	T2N1M0
D08	F	20	Thyroid	Papillary adenocarcinoma	null	T2N1M0
D09	F	70	Thyroid	Follicular carcinoma	null	T1N0M0
D10	F	64	Thyroid	Papillary adenocarcinoma	null	T3N1M0
D11	F	18	Thyroid	Papillary adenocarcinoma	null	T2N0M0
D12	F	29	Thyroid	Papillary adenocarcinoma	null	T2N0M0
D13	F	53	Thyroid	Clear cell carcinoma	null	T3N0M0
D14	F	72	Thyroid	Squamous cell carcinoma	null	T3N1M0
D15	M	73	Thyroid	Papillary adenocarcinoma	null	T2N0M0
E01	M	45	Thyroid	Follicular carcinoma	null	T4N0M0
E02	M	60	Thyroid	Follicular carcinoma	null	T3N0M0
E03	F	73	Thyroid	Follicular carcinoma	null	T2N0M0
E04	F	71	Thyroid	Undifferentiated carcinoma	null	T3N0M0
E05	F	16	Thyroid	Papillary adenocarcinoma	null	T3N1M0
E06	F	19	Thyroid	Follicular carcinoma	null	T2N1M0
E07	F	66	Thyroid	Follicular carcinoma	null	T2N0M0
E08	F	68	Thyroid	Follicular carcinoma	null	T2N0M0
E09	F	51	Thyroid	Follicular carcinoma	null	T2N0M0
E10	M	66	Thyroid	Follicular carcinoma	null	T2N0M0
E11	F	35	Thyroid	Follicular carcinoma	null	T2N0M0
E12	F	34	Thyroid	Papillary adenocarcinoma	null	T2N1M0
E13	F	53	Thyroid	Papillary adenocarcinoma	null	T2N0M0
E14	F	40	Thyroid	Papillary adenocarcinoma	null	T1N0M0
E15	F	33	Thyroid	Papillary adenocarcinoma	null	T2N0M0
F01	M	45	Thyroid	Follicular carcinoma	null	T4N0M0
F02	M	60	Thyroid	Follicular carcinoma	null	T3N0M0
F03	F	73	Thyroid	Follicular carcinoma	null	T2N0M0
F04	F	71	Thyroid	Undifferentiated carcinoma	null	T3N0M0
F05	F	16	Thyroid	Papillary adenocarcinoma	null	T3N1M0
F06	F	19	Thyroid	Follicular carcinoma	null	T2N1M0
F07	F	66	Thyroid	Follicular carcinoma	null	T2N0M0
F08	F	68	Thyroid	Follicular carcinoma	null	T2N0M0
F09	F	51	Thyroid	Follicular carcinoma	null	T2N0M0
F10	M	66	Thyroid	Follicular carcinoma	null	T2N0M0
F11	F	35	Thyroid	Follicular carcinoma	null	T2N0M0
F12	F	34	Thyroid	Papillary adenocarcinoma	null	T2N1M0
F13	F	53	Thyroid	Papillary adenocarcinoma	null	T2N0M0
F14	F	40	Thyroid	Papillary adenocarcinoma	null	T1N0M0
F15	F	33	Thyroid	Papillary adenocarcinoma	null	T2N0M0
G01	F	32	Thyroid	Papillary adenocarcinoma	null	T1N0M0
G02	M	44	Thyroid	Follicular carcinoma	null	T2N0M0
G03	F	49	Thyroid	Papillary adenocarcinoma	null	T1N1M0
G04	F	47	Thyroid	Papillary adenocarcinoma	null	T1N0M0
G05	F	48	Thyroid	Papillary adenocarcinoma	null	T2N0M0
G06	F	46	Thyroid	Papillary adenocarcinoma	null	T1N0M0
G07	M	65	Thyroid	Clear cell carcinoma	null	T2N0M0
G08	F	55	Thyroid	Papillary adenocarcinoma	null	T1N0M0
G09	F	36	Thyroid	Follicular carcinoma	null	T1N0M0



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G10	F	24	Thyroid	Papillary adenocarcinoma	null	T3N1M0
G11	F	26	Thyroid	Papillary adenocarcinoma	null	T3N0M0
G12	M	42	Thyroid	Papillary adenocarcinoma	null	T3N0M0
G13	F	46	Thyroid	Papillary adenocarcinoma	null	T1N0M0
G14	F	42	Thyroid	Papillary adenocarcinoma	null	T2N0M0
G15	M	19	Thyroid	Papillary adenocarcinoma	null	T3N1M0
H01	F	32	Thyroid	Papillary adenocarcinoma	null	T1N0M0
H02	M	44	Thyroid	Follicular carcinoma	null	T2N0M0
H03	F	49	Thyroid	Papillary adenocarcinoma	null	T1N1M0
H04	F	47	Thyroid	Papillary adenocarcinoma	null	T1N0M0
H05	F	48	Thyroid	Papillary adenocarcinoma	null	T2N0M0
H06	F	46	Thyroid	Papillary adenocarcinoma	null	T1N0M0
H07	M	65	Thyroid	Clear cell carcinoma	null	T2N0M0
H08	F	55	Thyroid	Papillary adenocarcinoma	null	T1N0M0
H09	F	36	Thyroid	Follicular carcinoma	null	T1N0M0
H10	F	24	Thyroid	Papillary adenocarcinoma	null	T3N1M0
H11	F	26	Thyroid	Papillary adenocarcinoma	null	T3N0M0
H12	M	42	Thyroid	Papillary adenocarcinoma	null	T3N0M0
H13	F	46	Thyroid	Papillary adenocarcinoma	null	T1N0M0
H14	F	42	Thyroid	Papillary adenocarcinoma	null	T2N0M0
H15	M	19	Thyroid	Papillary adenocarcinoma	null	T3N1M0
I01	M	48	Thyroid	Papillary adenocarcinoma	null	T3N1M0
I02	M	19	Thyroid	Papillary adenocarcinoma	null	T3N0M0
I03	F	71	Thyroid	Follicular carcinoma	null	T1N0M0
I04	F	45	Thyroid	Papillary adenocarcinoma	null	T2N0M0
I05	M	47	Thyroid	Papillary adenocarcinoma	null	T1N1M0
I06	F	58	Thyroid	Undifferentiated carcinoma	null	T2N0M0
I07	F	43	Thyroid	Papillary adenocarcinoma	null	T3N0M0
I08	F	35	Thyroid	Follicular carcinoma	null	T2N0M0
I09	F	27	Thyroid	Papillary adenocarcinoma	null	T3N1M0
I10	F	33	Thyroid	Papillary adenocarcinoma	null	T3N0M0
I11	M	54	Thyroid	Follicular carcinoma	null	T3N0M0
I12	F	29	Thyroid	Papillary adenocarcinoma	null	T1N1M0
I13	F	32	Thyroid	Papillary adenocarcinoma	null	T2N1M0
I14	F	76	Thyroid	Papillary adenocarcinoma	null	T2N0M0
I15	F	42	Thyroid	Papillary adenocarcinoma	null	T1N0M0
J01	M	48	Thyroid	Papillary adenocarcinoma	null	T3N1M0
J02	M	19	Thyroid	Papillary adenocarcinoma	null	T3N0M0
J03	F	71	Thyroid	Follicular carcinoma	null	T1N0M0
J04	F	45	Thyroid	Papillary adenocarcinoma	null	T2N0M0
J05	M	47	Thyroid	Papillary adenocarcinoma	null	T1N1M0
J06	F	58	Thyroid	Undifferentiated carcinoma	null	T2N0M0
J07	F	43	Thyroid	Papillary adenocarcinoma	null	T3N0M0
J08	F	35	Thyroid	Follicular carcinoma	null	T2N0M0
J09	F	27	Thyroid	Papillary adenocarcinoma	null	T3N1M0
J10	F	33	Thyroid	Papillary adenocarcinoma	null	T3N0M0
J11	M	54	Thyroid	Follicular carcinoma	null	T3N0M0
J12	F	29	Thyroid	Papillary adenocarcinoma	null	T1N1M0
J13	F	32	Thyroid	Papillary adenocarcinoma	null	T2N1M0
J14	F	76	Thyroid	Papillary adenocarcinoma	null	T2N0M0
J15	F	42	Thyroid	Papillary adenocarcinoma	null	T1N0M0

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.



Certified by: Fancai Li, 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)