

Data Sheet

Product Name: Thyroid Cancer Tissue Array - 48 cases of uninvolved and cancerous tissues of the thyroid in duplicates

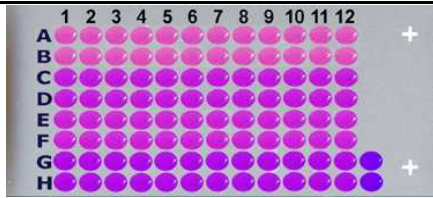
Catalog No.: Z7020098

Lot No.: B508186

Species: Human Mouse Rat Monkey Plant Cell line

Tissue Type: Normal Adult Fetal Tumor Disease

Tissue Array Diagram:

Cores	Size	Cut	Format	QA/QC	
96	1.5 mm	4 µm	12X8	H&E, IHC anti-Cytokeratin	

Recommended applications: For research use only. Designed for IHC/ISH RNA or protein tissue profiling of normal, non-malignant and malignant thyroids.

Description: Thyroid cancer tissue array including 48 cases of normal, premalignant and malignant tissues of the thyroid 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 all have a guaranteed six months' shelf-life at 4°C from the date of shipment.

Position	Sex	Age	Anatomic Site	Pathology	Nature	Grade	Stage (TNM)
A01	F	48	Thyroid	Normal	Normal		
A02	F	43	Thyroid	Normal	Normal		
A03	F	43	Thyroid	Normal	Normal		
A04	F	51	Thyroid	Subacute thyroiditis	Inflammatory		
A05	F	57	Thyroid	Adenoma, fetal type	Benign		
A06	F	50	Thyroid	Hashimoto's thyroiditis	Inflammatory		
A07	F	50	Thyroid	Multi-nodular goiter	Benign		
A08	F	53	Thyroid	Multi-nodular goiter	Benign		
A09	M	63	Thyroid	Multi-nodular goiter	Benign		
A10	F	41	Thyroid	Multi-nodular goiter	Benign		
A11	F	40	Thyroid	Adenoma	Benign		
A12	M	28	Thyroid	Follicular adenoma	Benign		
B01	F	48	Thyroid	Normal	Normal		
B02	F	43	Thyroid	Normal	Normal		
B03	F	43	Thyroid	Normal	Normal		
B04	F	51	Thyroid	Subacute thyroiditis	Inflammatory		
B05	F	57	Thyroid	Adenoma, fetal type	Benign		
B06	F	50	Thyroid	Hashimoto's thyroiditis	Inflammatory		
B07	F	50	Thyroid	Multi-nodular goiter	Benign		
B08	F	53	Thyroid	Multi-nodular goiter	Benign		
B09	M	63	Thyroid	Multi-nodular goiter	Benign		
B10	F	41	Thyroid	Multi-nodular goiter	Benign		
B11	F	40	Thyroid	Adenoma	Benign		
B12	M	28	Thyroid	Follicular adenoma	Benign		
C01	F	33	Thyroid	Adenoma, fetal type	Benign		
C02	F	48	Thyroid	Simple colloid adenoma	Benign		
C03	F	56	Thyroid	Graves' disease	Benign		
C04	F	27	Thyroid	Hashimoto's thyroiditis	Inflammatory		

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C05	F	40	Thyroid	Graves' disease	Benign		
C06	F	53	Thyroid	Hashimoto's thyroiditis	Inflammatory		
C07	F	24	Thyroid	Papillary adenocarcinoma	Malignant	II-III	T2N1M0
C08	M	50	Thyroid	Papillary adenocarcinoma	Malignant	I-II	T2N0M0
C09	M	57	Thyroid	Papillary adenocarcinoma	Malignant		T4N1M0
C10	F	27	Thyroid	Papillary adenocarcinoma	Malignant		T2N0M0
C11	M	52	Thyroid	Papillary adenocarcinoma	Malignant		T2N1M0
C12	F	19	Thyroid	Follicular papillary adenocarcinoma	Malignant		T2N1M0
D01	F	33	Thyroid	Adenoma, fetal type	Benign		
D02	F	48	Thyroid	Simple colloid adenoma	Benign		
D03	F	56	Thyroid	Graves' disease	Benign		
D04	F	27	Thyroid	Hashimoto's thyroiditis	Inflammatory		
D05	F	40	Thyroid	Graves' disease	Benign		
D06	F	53	Thyroid	Hashimoto's thyroiditis	Inflammatory		
D07	F	24	Thyroid	Papillary adenocarcinoma	Malignant	II-III	T2N1M0
D08	M	50	Thyroid	Papillary adenocarcinoma	Malignant	I-II	T2N0M0
D09	M	57	Thyroid	Papillary adenocarcinoma	Malignant		T4N1M0
D10	F	27	Thyroid	Papillary adenocarcinoma	Malignant		T2N0M0
D11	M	52	Thyroid	Papillary adenocarcinoma	Malignant		T2N1M0
D12	F	19	Thyroid	Follicular papillary adenocarcinoma	Malignant		T2N1M0
E01	F	31	Thyroid	Papillary adenocarcinoma	Malignant	III	T3N0M0
E02	M	16	Thyroid	Follicular carcinoma	Malignant		T3N1M0
E03	F	33	Thyroid	Papillary adenocarcinoma	Malignant		T2N0M0
E04	M	34	Thyroid	Follicular papillary adenocarcinoma	Malignant		T2N1M0
E05	F	44	Thyroid	Papillary adenocarcinoma	Malignant		T2N0M0
E06	F	42	Thyroid	Papillary adenocarcinoma	Malignant		T2N0M0
E07	F	64	Thyroid	Papillary adenocarcinoma	Malignant		T2N1M0
E08	M	51	Thyroid	Papillary adenocarcinoma	Malignant		T1N0M0
E09	F	22	Thyroid	Papillary adenocarcinoma	Malignant		T2N0M0
E10	F	30	Thyroid	Papillary adenocarcinoma	Malignant		T2N0M0
E11	F	38	Thyroid	Papillary adenocarcinoma	Malignant		T3N0M0
E12	F	11	Thyroid	Papillary adenocarcinoma	Malignant		T3N1M0
F01	F	31	Thyroid	Papillary adenocarcinoma	Malignant	III	T3N0M0
F02	M	16	Thyroid	Follicular carcinoma	Malignant		T3N1M0
F03	F	33	Thyroid	Papillary adenocarcinoma	Malignant		T2N0M0
F04	M	34	Thyroid	Follicular papillary adenocarcinoma	Malignant		T2N1M0
F05	F	44	Thyroid	Papillary adenocarcinoma	Malignant		T2N0M0
F06	F	42	Thyroid	Papillary adenocarcinoma	Malignant		T2N0M0
F07	F	64	Thyroid	Papillary adenocarcinoma	Malignant		T2N1M0
F08	M	51	Thyroid	Papillary adenocarcinoma	Malignant		T1N0M0
F09	F	22	Thyroid	Papillary adenocarcinoma	Malignant		T2N0M0
F10	F	30	Thyroid	Papillary adenocarcinoma	Malignant		T2N0M0
F11	F	38	Thyroid	Papillary adenocarcinoma	Malignant		T3N0M0
F12	F	11	Thyroid	Papillary adenocarcinoma	Malignant		T3N1M0
G01	M	58	Thyroid	Papillary adenocarcinoma	Malignant		T3N0M1
G02	M	68	Thyroid	Papillary adenocarcinoma	Malignant		T2N0M0
G03	M	58	Thyroid	Papillary adenocarcinoma	Malignant		T1N0M0
G04	F	41	Thyroid	Papillary adenocarcinoma	Malignant		T2N0M0
G05	M	26	Thyroid	Follicular carcinoma	Malignant		T2N1M0
G06	F	44	Thyroid	Follicular carcinoma	Malignant		T2N0M0
G07	F	54	Thyroid	Papillary adenocarcinoma	Malignant		T2N0M0
G08	M	65	Thyroid	Undifferentiated carcinoma	Malignant		T3N0M0
G09	F	79	Thyroid	Undifferentiated carcinoma	Malignant		T3N1M0
G10	M	63	Thyroid	Medullary carcinoma	Malignant		T2N1M0
G11	F	25	Thyroid	Lymphoma, diffuse large B cell lymphoma	Malignant		
G12	F	77	Thyroid	Lymphoma, MALT-B cell lymphoma, high grade	Malignant		

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H01	M	58	Thyroid	Papillary adenocarcinoma	Malignant		T3N0M1
H02	M	68	Thyroid	Papillary adenocarcinoma	Malignant		T2N0M0
H03	M	58	Thyroid	Papillary adenocarcinoma	Malignant		T1N0M0
H04	F	41	Thyroid	Papillary adenocarcinoma	Malignant		T2N0M0
H05	M	26	Thyroid	Follicular carcinoma	Malignant		T2N1M0
H06	F	44	Thyroid	Follicular carcinoma	Malignant		T2N0M0
H07	F	54	Thyroid	Papillary adenocarcinoma	Malignant		T2N0M0
H08	M	65	Thyroid	Undifferentiated carcinoma	Malignant		T3N0M0
H09	F	79	Thyroid	Undifferentiated carcinoma	Malignant		T3N1M0
H10	M	63	Thyroid	Medullary carcinoma	Malignant		T2N1M0
H11	F	25	Thyroid	Lymphoma, diffuse large B cell lymphoma	Malignant		
H12	F	77	Thyroid	Lymphoma, MALT-B cell lymphoma, high grade	Malignant		

Note: Please bake the slides at 60°C 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.

TNM Classification: Thyroid carcinoma

T- Primary tumor

- TX - Primary tumor cannot be assessed
- T0 - 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
- N0 - 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
- M0 - 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)

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APPROVED BY: _____

