

AmoyDx[®] Thyroid Cancer PCR Panel

Precision Diagnosis for Thyroid Cancer Management

Comprehensive Thyroid Cancer Testing



All-in-One

Covers 33 variants across 10 genes (21 SNVs and 12 fusions), providing broader coverage than traditional PCR and a cost-effective alternative to NGS.

Target Genes	BRAF, HRAS, KRAS, NRAS, PIK3CA, TERT, NTRK1, NTRK3, PPARG, RET
Sample Types	FNA, FFPE and fresh frozen tissue



Widely Applicable

Compatible with mainstream platforms and diverse sample types.



Clinically Proven

High sensitivity and specificity for reliable diagnosis.



Streamlined Workflow

DNA & RNA co-analysis with automated ARAS result interpretation.

AmoyDx[®] Thyroid PCR Panel Achieves High Sensitivity and Specificity in Differentiating Thyroid Nodules with Clinical Reference Standards

Sample Size (Bethesda III/IV/V) N=1,407		Clinical Reference Standard (Pathological Diagnosis or Clinical Comprehensive Diagnosis)		
		Malignant	Benign	Total
AmoyDx Thyroid Panel	Positive	853	3	856
	Negative	90	461	551
Total		943	464	1407

● Sensitivity 90.46%

● Specificity 99.35%

● Accuracy 93.39%

Clinical Applications

Differentiate benign vs. malignant thyroid nodules

Molecular testing improves diagnosis of indeterminate thyroid nodules (Bethesda III/IV) via US-FNAB, reducing diagnostic uncertainty and avoiding unnecessary surgeries.

Guide surgical planning (lobectomy vs. total thyroidectomy)

Genetic mutations detected by the panel, such as BRAF V600E and TERT promoter mutations, provide critical insights into tumor aggressiveness and recurrence risk.

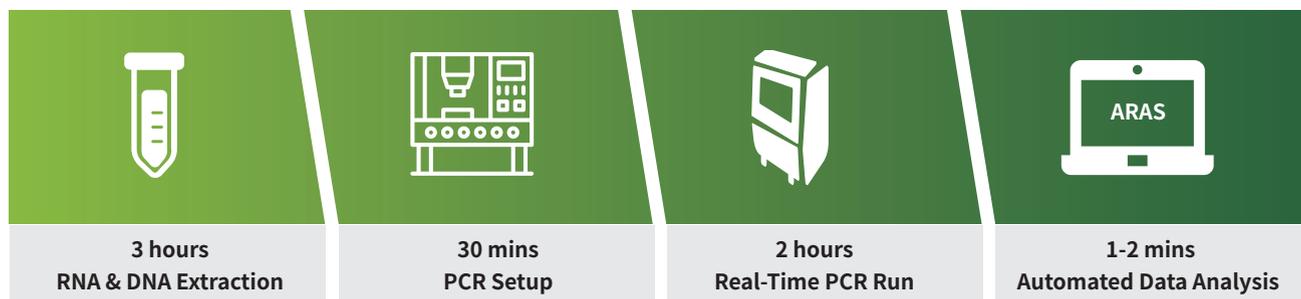
Assess recurrence risk with BRAF and TERT mutations

The panel identifies BRAF and TERT mutations for risk stratification, enabling intensified monitoring or adjuvant therapy in high-risk patients.

Stratify patients for targeted therapies

Precise molecular diagnosis is critical for effective targeted therapy in patients with advanced, metastatic, or RAI-resistant thyroid cancer.

Turnaround Time from DNA to Report within 3 hours



Ordering Information

Catalog Number	8.01.0261 (SLAN-96S) 8.01.0262 (QuantStudio 5)
Kit Format	10 tests / kit

For Research Use Only. Not for use in diagnostic procedures.

E-mail: info@amoydx.com

Address: 2 Science Park Drive, Ascent #01-08, Singapore 118222

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