



Thyroid

Application

Used in thyroid function test, health check, Pre-pregnancy checkup and inspection for congenital hypothyroidism(CH).

Single Test Cartridge

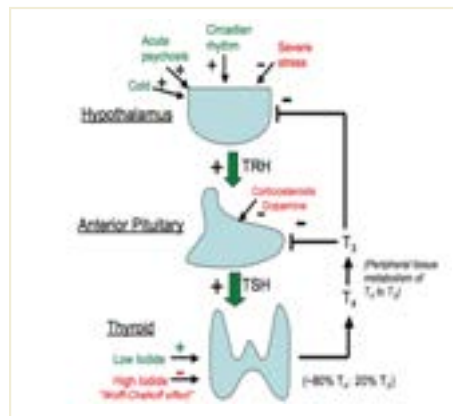
Advantages

- ◆ Easy to Use, Results within 20 minutes
- ◆ Wide Detection Range
- ◆ Different Specifications to Meet Different Needs
- ◆ Easy to Delivery without Cold Chain Requirement



Relationship between TSH T3 and T4

The hypothalamus releases something called thyrotropin-releasing hormone, which then triggers the pituitary gland to produce something called the thyroid stimulating hormone (TSH). The TSH is then what helps your thyroid gland release T4 and T3, if your T3 and T4 levels are too low, the pituitary gland will release more TSH. If they're too high, the gland will release less TSH.



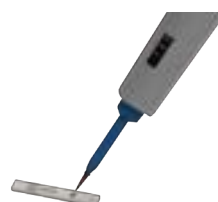
Products Performance

Test Item	Specimen Type	Reaction Time	Linear Range	Qualification
TSH	Plasma/Serum 40µL	20 min	0.5-100µIU/mL	NMPA CE ISO13485
TT3	Serum 40µL	15 min	0.8-10nmol/L	NMPA CE ISO13485
TT4	Plasma/Serum 40µL	15 min	20-320nmol/L	NMPA CE ISO13485
FT3	Serum	15 min	0.4-50pmol/L	CE ISO13485
FT4	Serum	15 min	0.3-100pmol/L	CE ISO13485

Clinical Reference

	TSH	T4	T3
Primary hypothyroidism	↑	↓	
Subclinical hypothyroidism	↑	N	
Central hypothyroidism Hypothalamus/pituitary	↓	↓	
Primary hyperthyroidism	↓	N/↑	↑
Subclinical hyperthyroidism	↓	N	
Central hyperthyroidism TSH - producing tumour	↑	↑	↑
Thyrotoxicosis factitia	↓	↑	N/↑

Test Procedure



Sampling

Adding

Mixing

Dropping

Testing