

Chemiluminescence Immunoassay Analyzer For Thyroid Function

Mini-CLIA

Gold Standard
Top Quality



Technical Specification:

Instrument type:	Bench-top Automatic Chemiluminescence Analyzer
Throughput:	Up to 8 samples or assays per run
Measuring time:	20-40 mins
Measuring principle:	Cheiluminescent Microparticle Immunoassay(CMIA)
Sampling material:	Serum/Plasma
Test mode:	Batch mode
Test speed:	>32 tests/hour
Calibration:	Factory Calibration, 2-point calibration every 90 days
Monitor/Keyboard:	LCD Touchscreen
PC:	Integrated
Interface:	USB, RS232, Ethernet port supports LIS connection
Data storage:	Automatically stored
Weight:	25KG
Dimensions:	525*480*530mm

Instrument Features

Industry-leading precision and accuracy	<ul style="list-style-type: none"> High level of accuracy from chemiluminescence technology
Flexible, reliable testing	<ul style="list-style-type: none"> Ability to run serum/plasma samples 8 simultaneous tests in under 20 minutes Flexibility to perform any of the assays
Simple. User-friendly	<ul style="list-style-type: none"> Single test reagent cartridge Color touchscreen controls Less than 4 steps to get accurate result
Quality and Compatibility	<ul style="list-style-type: none"> Easily interfaces with Laboratory Information Systems L-J, Westguard QC

Chemiluminescence Immunoassay System-Thyroid Function

Mini-CLIA



■ PRECISE ■ CONVENIENT ■ EFFICIENT

Mini-CLIA Thyroid Function assay solutions

Name	Specimen	LOD	Linearity (r≥0.990)
Ft3	Serum/Plasma	0.5pg/mL	1.0-30pg/mL
Ft4	Serum/Plasma	0.1ng/dL	0.3-5.0ng/dL
Tt3	Serum/Plasma	0.25ng/mL	0.25-10ng/mL
Tt4	Serum/Plasma	10ng/mL	10-250ng/mL
TSH	Serum/Plasma	0.01mIU/L	0.05-100mIU/L

Free T3 (FT3) Assay Reagent Kit (CMIA)	
CV%	QC-L=4.14%;QC-M=3.14%;QC-H=2.17%
Compared with a commercially available immunoassay	y=0.9637x+0.5354; r=0.9579; n=95

Free T4 (FT4) Assay Reagent Kit (CMIA)	
CV%	QC-L=3.75%;QC-M=4.71%;QC-H=3.76%
Compared with a commercially available immunoassay	y=0.9777x+0.0369; r=0.9537; n=90

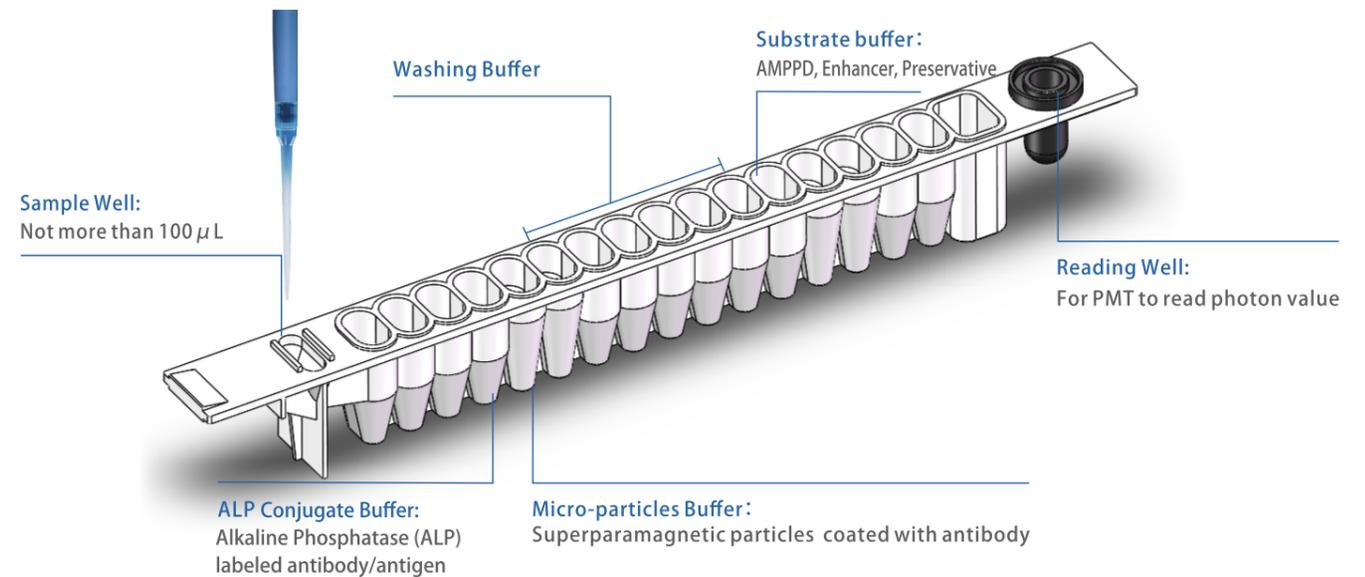
Total T3 (TT3) Assay Reagent Kit (CMIA)	
CV%	QC-L=5.26%;QC-M=4.64%;QC-H=4.62%
Compared with a commercially available immunoassay	y=1.0368x-0.1062; r=0.9772; n=100

Total T4 (TT4) Assay Reagent Kit (CMIA)	
CV%	QC-L=3.03%;QC-M=3.67%;QC-H=5.97%
Compared with a commercially available immunoassay	y=0.9761x+0.2677; r=0.957; n=83

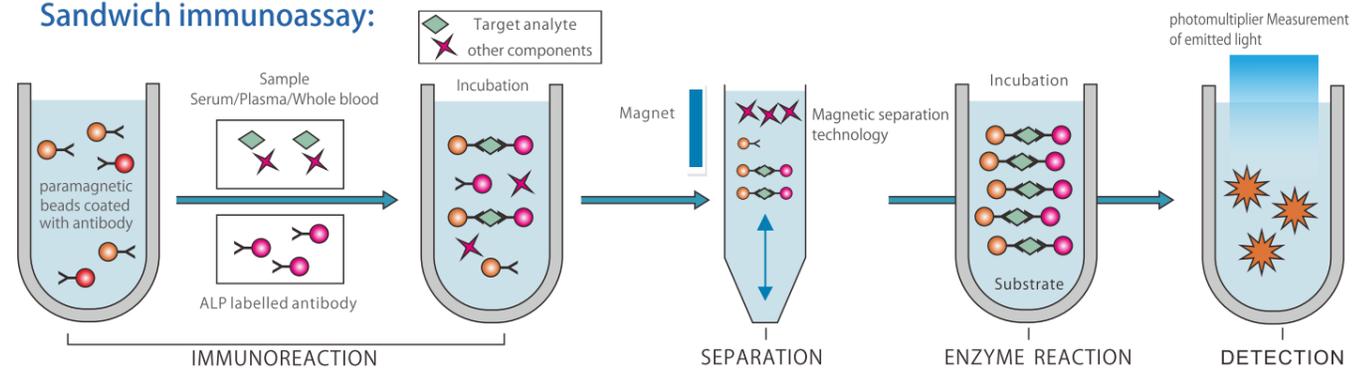
Thyroid Stimulating Hormone (TSH) Assay Reagent Kit (CMIA)	
CV%	QC-L=5.32%;QC-M=3.61%;QC-H=4.40%
Compared with a commercially available immunoassay	y=1.0588x-0.1355; r=0.9827; n=95

Mini-CLIA Thyroid Function Reagents

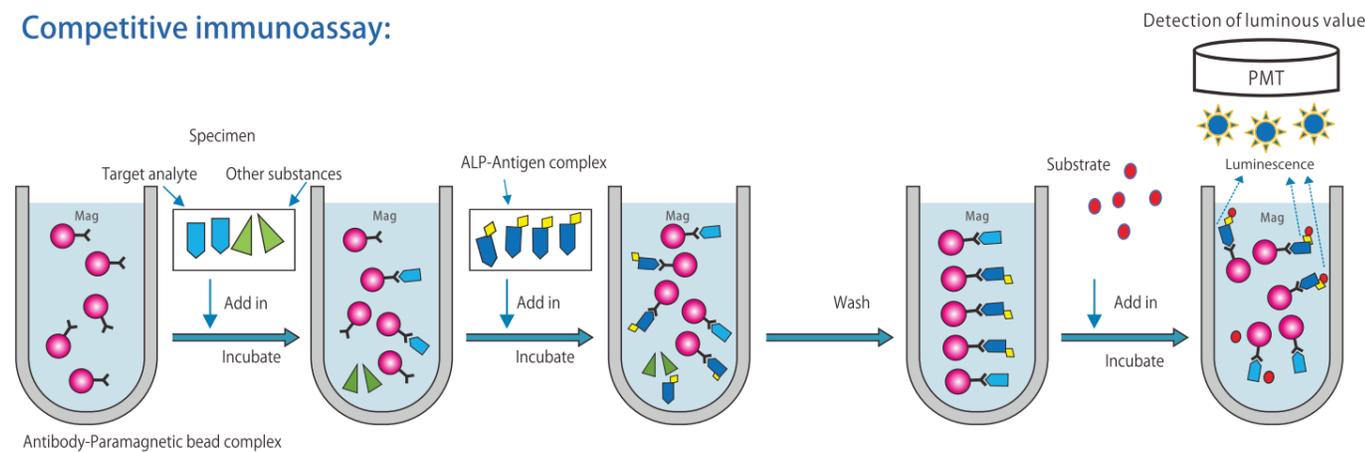
Reagent Cartridge:



Sandwich immunoassay:



Competitive immunoassay:



Reagent features:

- State-of-the-art Chemiluminescence test method
- Single test concept, one sample, one cartridge, one result
- Precision: CV < 10 %
- Original Reagents, Calibrators & Quality controls with traceability system
- 18 months actual period of validity, 90 days calibration validity period