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Accre 8

**Entry Level – CLIA Analyzer
(Chemiluminescence Immuno Assay)**



Accre 8

Entry Level – CLIA Analyzer



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- A**CCURATE
- C**ONVENIENT
- C**ONSISTENT
- R**APID
- E**CONOMICAL





ACCRE-8



- ✓ Benchtop, Compact
- ✓ Easy to Operate
- ✓ No additional or extra consumable
- ✓ Zero or Less Maintenance
- ✓ >600 days MBTF

Reagents



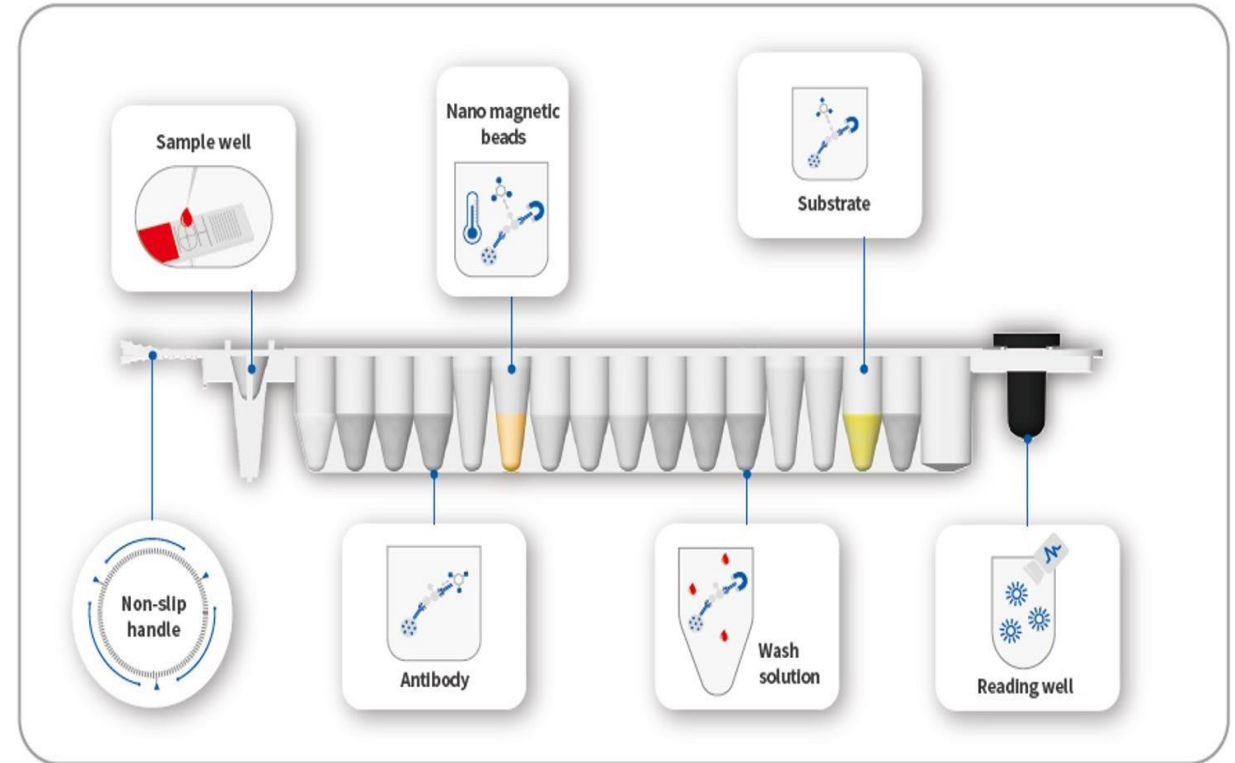
- ✓ Single-dose Package, Ready to Use
- ✓ Chemiluminescence Technology
- ✓ All-in-one design, No consumables
- ✓ 10-40 mins detection time

Excellent as CLIA

- ✓ ALP-APS-5 chemiluminescence
- ✓ Excellent reagent performance
- ✓ Nano magnetic particles for separation

Easy as POCT

- ✓ Single-dose Cartridge, ready-to-use
- ✓ Avoiding cross-contamination
- ✓ Short turn-around-time
- ✓ All-in-one design, no consumables and extra cost



Compare with Regular CLIA



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Analyzer Cost
Reduce 30-50%



Time and Maintenance Consumption
Reduce 50%



Labor Cost
Reduce 30%

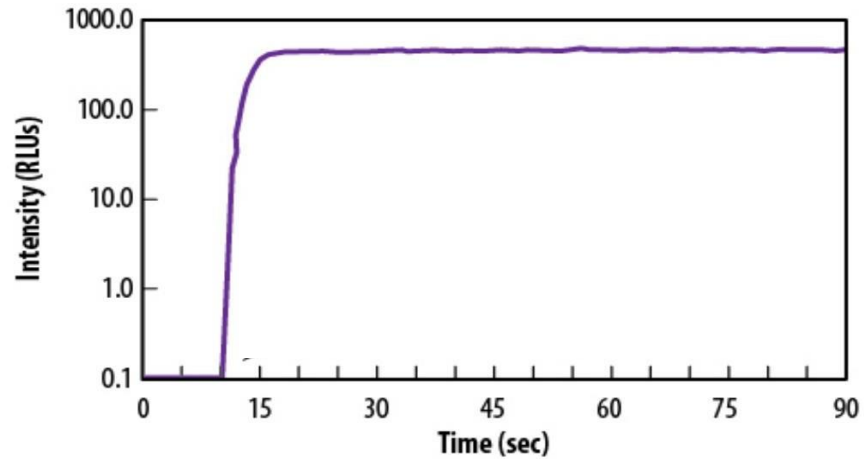


	Place	Training	Machine	Maintenance Cost
Regular CLIA	Higher End Laboratories	3-5 Days	High cost, additional accessories required	Daily, Weekly, Monthly maintenance Required
ACCURE	Small & Medium Sized Lab	in 60mins	>600 days MTBF low cost	Zero Cost

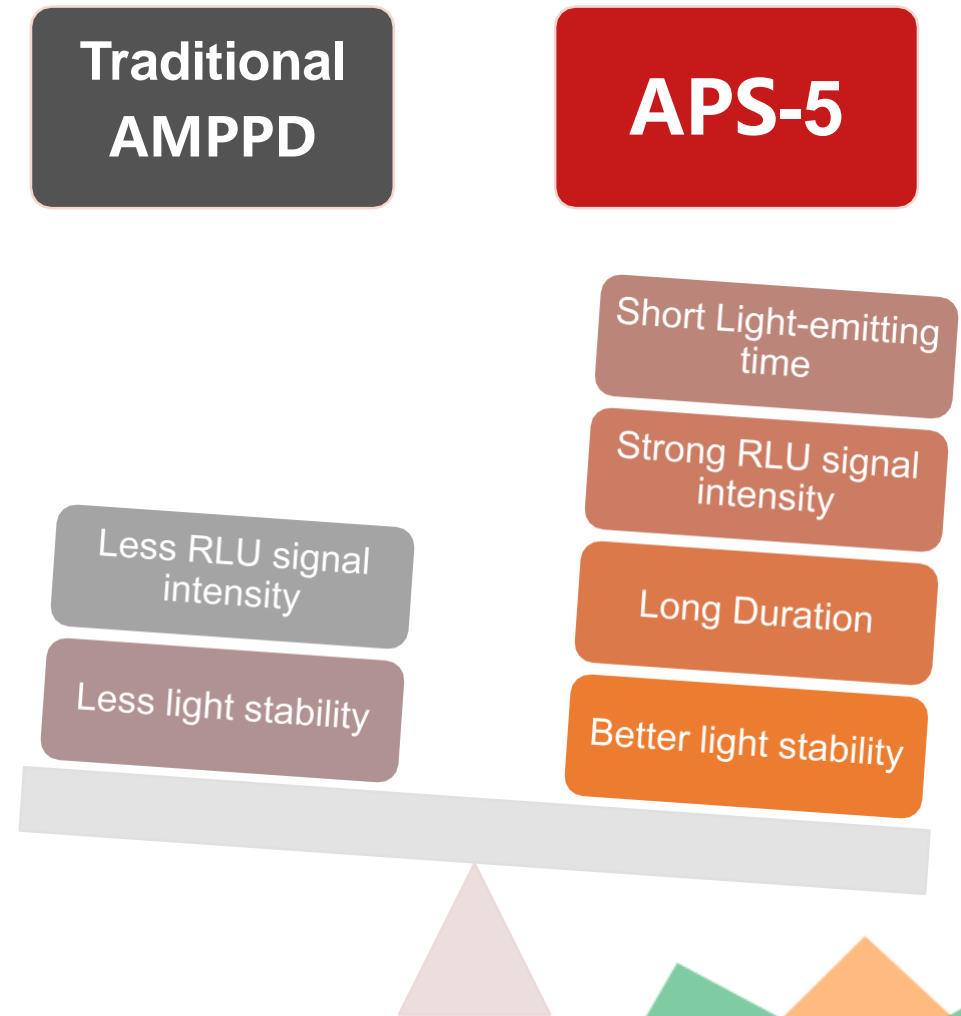


Technology Highlight

Novel Substrate **APS-5**



- Light-emitting time is 1/10 of traditional AMPPD
- RLU signal intensity and light stability are significantly better than traditional AMPPD





Configuration



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15.6-inch touch screen

- Operation done via touch screen
- 200,000 results storage
- Built-in Levey–Jennings chart

Printer function

- Built-in thermal printer
- External printer (Optional)

Switch light

Reaction chamber

- Reaction site
- 6 channels



Specification

- Dimension: 500 X 370 X 600 mm
- Weight: 42 kg
- Channel: 1 module, 6 channels
- Throughput: 36 T/h

Switch

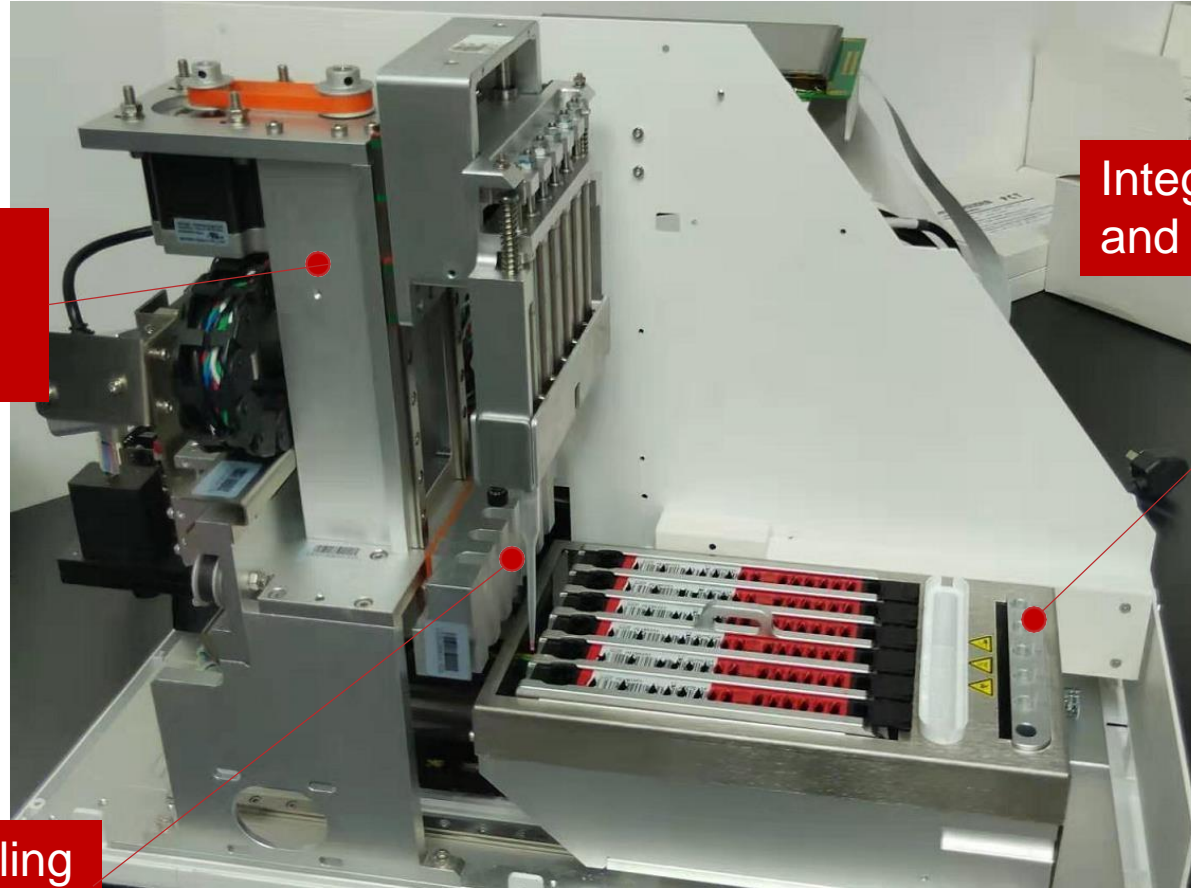
- 24 hours standby
- One push to restart

■ Internal Structure of Analyzer

No liquid path inside, only mechanical movement modules preserved

Integrated sample, reaction and incubation modules

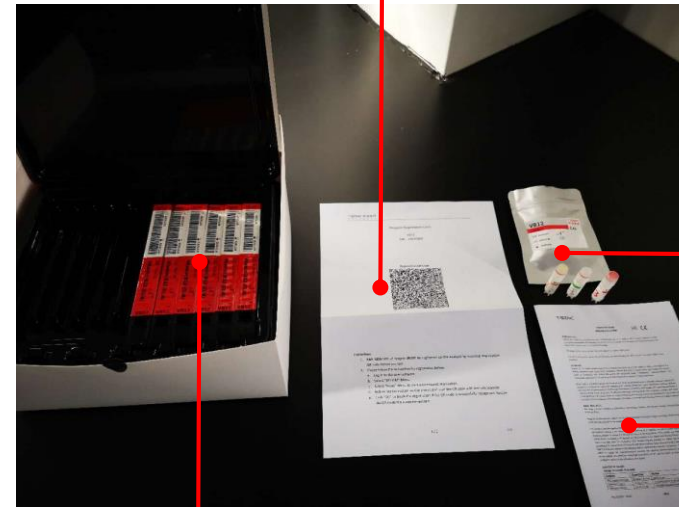
Integrated sampling & wash modules



Reagent Kit



Reagent Pack



Calibrator Barcode

Calibrator

Package Insert

Reagent Cartridge





Configuration



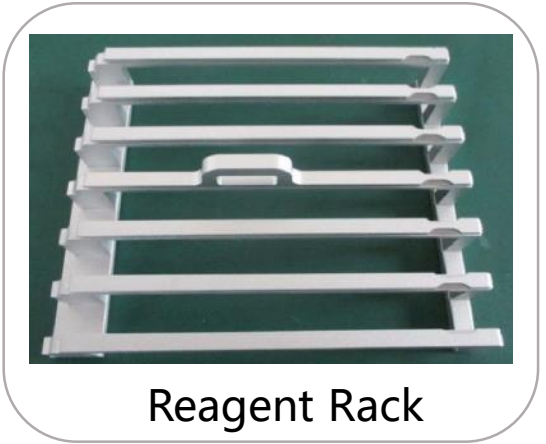
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Testing well

Reagent rack

Reagent cartridge



Reagent Rack



Waste Box



Assay Tip



Reagent



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Notice on reagent transportation & usage

1. Make sure the reagent kits label facing up, do not turn over, or shake violently during logistics
2. All the reagent kits should be stored in 2~8°C. **Freezing forbidden!**
3. If there was possibility of turning over or shaking on the reagent strips ,they should be stored in 2~8°C with correct position(label facing up) and keep still for more than 48 hours at least before using.





Specifications



Accre 8

Name	Single-serve Automatic Chemiluminescence Immunoassay (CLIA) Analyzer
Model num.	ACCRES 8
Sample type	Whole blood, serum, plasma
Result	10 Minutes
Speed up	36T/h
Through put	6 sample/ batch
Screen	15.6 Full color touch screen
Consumption	No consumption
Memory	Sample: Maximum 200000 results .No limitation of time QC: Storage and QC result Calibration: Maximum 5 lot , 5 calibration each lot
Printing	Built-in thermal printer(58*60mm) ,external printer
Temperature	Incubator: 42°C ,Reaction Chamber: 40°C
QC & Calibration	Levey-Jennings ,Westgard QC chart Matched with Calibrator & QC material, Calibration period for 28 days
Transmission of internet & serial port	USB,RS232,Network port, LIS transmission
Size	500*370*600mm
Weight	42KG



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Reagent Cartridge



Principle	Chemiluminescence
Substrate	APS-5
Label	Alkaline Phosphatase(ALP)
Separation	Nano magnetic particles
Assay time	10-35 mins
Stability	12 months storage shelf life, 4 -8 weeks calibration valid time
Calibration	3 points and twice
Operation	Manual pipetting for sample, Automated test
Storage Condition	2-8 °C
Package	Singles test cartridge, ready to use 60 tests/kit

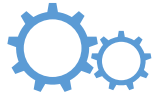


Cartridge Features



USE

- Single-dose test package
- Ready to use



DESIGN

- Integrated reagent strip design
- All contents in-one
- No other consumable needed



PACKAGE

- 60 Strips per/kit
- Calibration included



- Aluminum foil for strip cover
- Better Storage: 12 months shelf-life



- Built in Automatic Barcode Scanner for Reagent and Master curve information
- External Scanner for Sample information

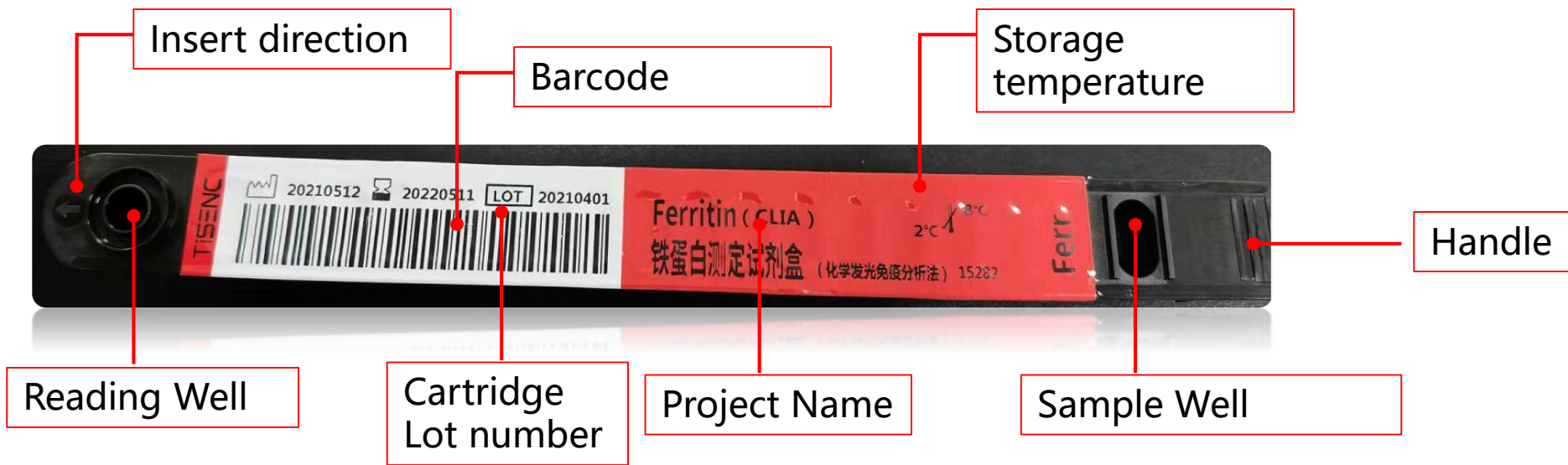


- Pipetting tips included free in the set
- Independent pipette for each assay
Reduce cross contamination

** Pictures are for reference only*



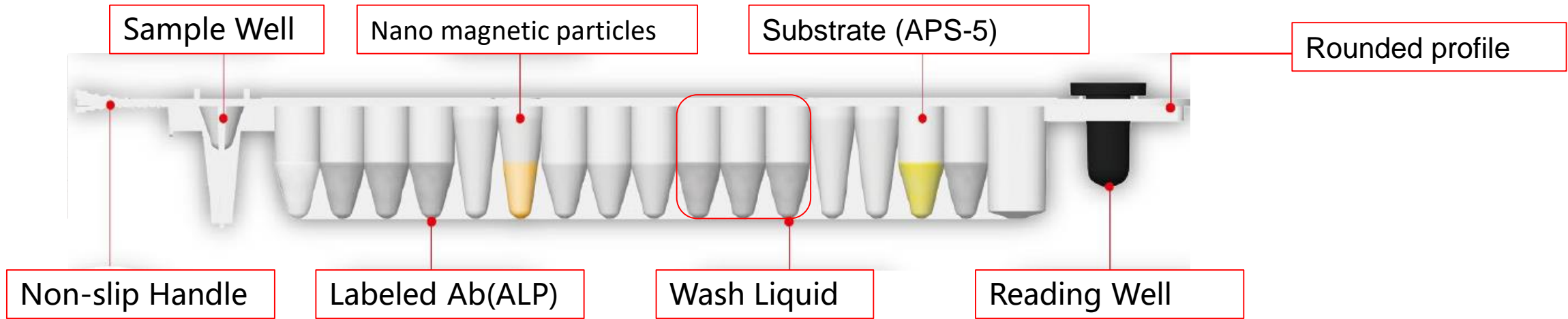
Reagent Cartridge Component



* Pictures are for reference only



Reagent Cartridge Component



- Sample well: 75ul only, ready to use
- Labeled Ab: ALP(Alkaline Phosphatase)
- Nano magnetic particle: Separation almost completely
- Wash liquid: Three times washing inside cartridge, no more external consumables needed
- Substrate: APS-5, Luminescent substrate, high detection sensitivity and short reaction time, ALP catalytic Chemiluminescence Reaction
- Reading well: High sensitive PMT for Signal Capture

Reagent Features



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Reagent Storage

- 2-8 °C for storage
- 2-8 °C for transportation



Calibration and Control

- Calibrators included in the reagent box
- 3 points calibration, 2 points calibration for certain items
- 1 month calibration valid time
- 2 level in-house QC



Assay

- Simultaneous testing of different parameters
- Most comprehensive cardiac panel



Reagent Kit Box

A reagent box contains:

- Registration QR code
- Reagent cartridge
- Calibration code
- Calibrator
- Package Insert
- Quality control (Optional)

Two specifications:

- 36 tests/box
- 60 tests/box

12 cartridges inside
one black reagent box





Main interface



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- Totally six interface inside software.

① Sample test

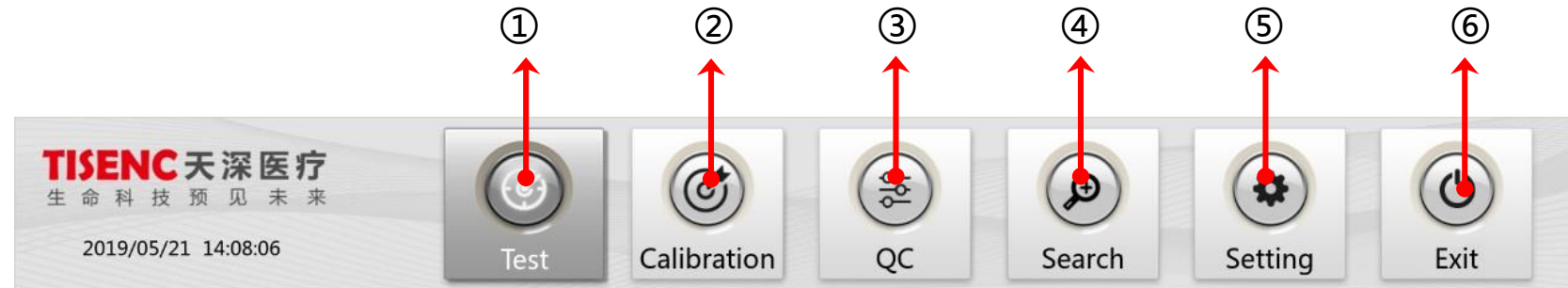
② Calibration test

③ QC test

④ Search for historical records

⑤ Setting for reagent

⑥ Shutdown or restart



The sample information and settings form includes the following fields and controls:

- Sample Info: ID: , Name:
- Gender: (dropdown), Age: , Contact:
- Buttons: Load, Clear
- Sample Type: Serum, Whole Blood, Plasma
- Dilution: Dilution: (dropdown)
- Table:

Channels	Sample ID	Name	Reagent	Concentration
Channel1				
Channel2				
Channel3				
Channel4				
Channel5				
Channel6				

■ Calibration Test

➤ Preparation

1. Prepare the reagent cartridge, Caibrator(liquid/Powder), Tips and others.
2. For powder CAL, please follow the SOP to do reconstituted procedure in advanced.



Reagent
cartridge

Instruction of CAL

Calibrator Registration insert

Calibrator(1,2,3)

Tips





QC Test



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➤ QC Setting

1. Switch to **Setting** interface, **QC Setting**, complete the filling work of QC setting information.
2. QC Name – Casual input, Target SD = 1/10 Target Value, the other details follow the QC insert to fill.
3. The **Reagent** item already registered and calibrated, can be selected from the drop-down box.
4. Click **Add** button to finish one QC setting(High& Low), the specific QC settings will display on sheet.

TISENC 天深医疗
生命科技 预见未来
2019/05/21 14:11:07

Test Calibration QC Search **Setting** Exit

Calibration Setting Assay Setting **QC Setting** General Setting

QC Name: Target Value: Reagent: PCT
QC Lot: Target SD: QC Level: High

Add Delete Export Data Import Data

Assay	QC Name	QC Lot	QC Level	Target Value	Target SD

QC Rules

- 1-2S
- 1-3S
- 2-2S
- R-4S
- 4-1S
- 7-X
- 7-T
- 8-X
- 9-X



Sample Test



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➤ Add sample & Load

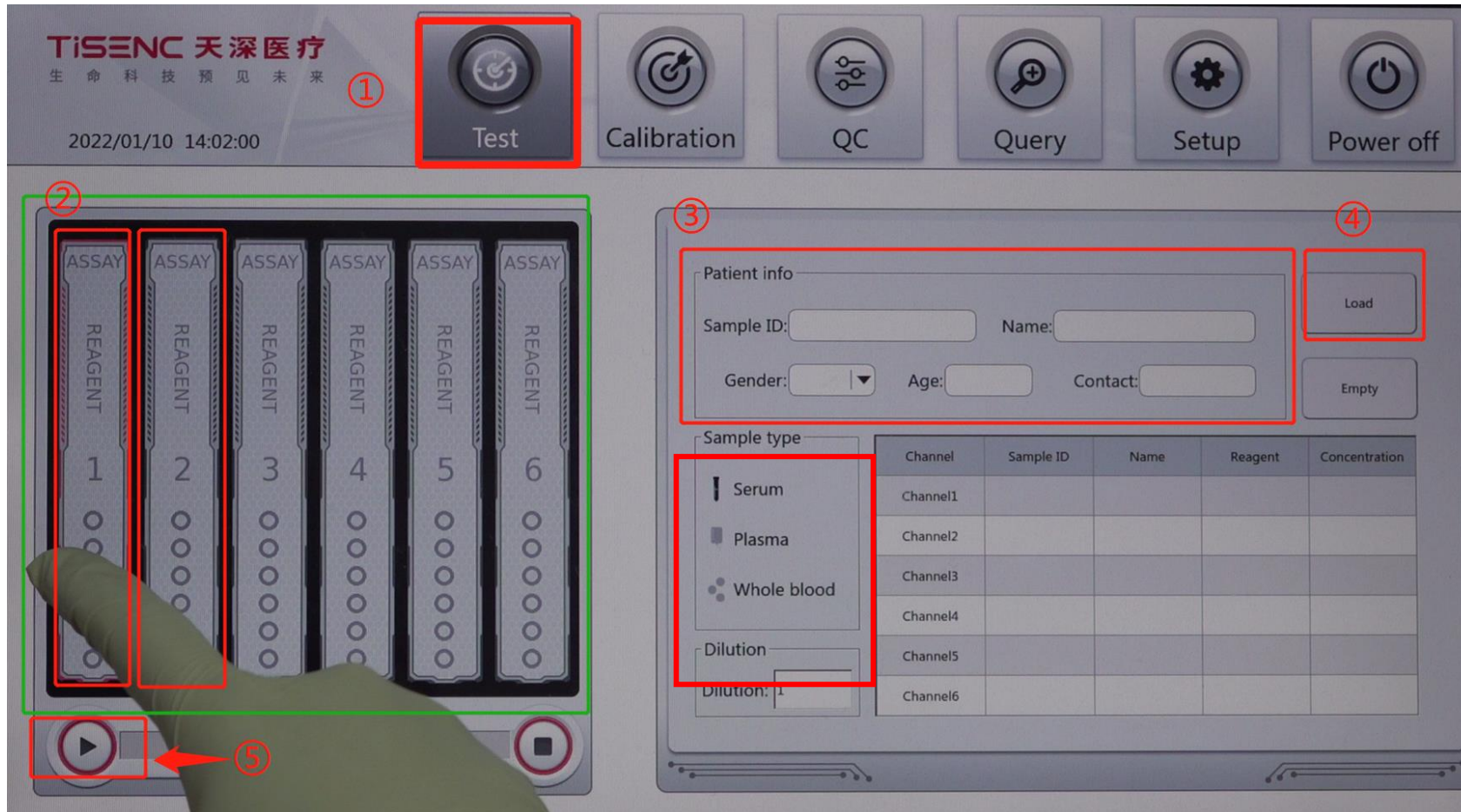
- Add sample to the sample well of cartridge first, then complete the reaction chamber loading, finally close the cabin door.





Sample Test

- Switch to Test interface, select the test channel, next edit the sample information, then load patient information to the test channel one by one, finally start the sample test.





Parameters Available



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Thyroid

- TSH
- T3
- T4
- FT3
- FT4
- Anti-Tg
- Anti-TPO

Anemia

- VB12
- Folate
- Ferritin

Bone Metabolism

- 25-OH Vitamin D Total
- PTH
- β -CrossLaps
- Total PINP
- N-MID Osteocalcin

Fertility

- AMH
- LH
- Prolactin
- FSH
- Progesterone
- Testosterone
- Estradiol (E2)
- Total β -HCG
- Estriol
- DHEA-S
- ACTH
- Cortisol
- Aldosterone
- Direct Renin
- hGH

Cardiac

- hs cTnl
- hs CTnT
- cTnl
- BNP
- NT-proBNP
- CK-MB
- MYO
- H-FABP
- D-Dimer
- Lp-PLA2
- ST2
- MPO
- Homocysteine
- Copeptin
- GDF-15
- Galectin-3

Inflammation

- PCT
- IL-6
- FR – CAP
- ASO
- SAA
- IgE

TORCH

- Toxo IgG
- Toxo IgM
- Rubella IgG
- Rubella IgM
- CMV IgG
- CMV IgM

Tumor

- AFP
- CEA
- TPSA
- CA 125
- PG I
- PG II
- Gastrin-17 (G-17)
- FPSA
- CA 15-3
- CA 19-9
- ProGRP

Glyco

Metabolism

- C-peptide
- Insulin

Infectious Disease

- HBsAg
- Angi-HBs
- HBsAg
- Anti-HBe
- Anti-HCV
- Anti-TP
- HIV Combo
- Influenza A & B
- Chagas
- H Pylori (HP)
- Dengue NS1 Ag
- Dengue IgG/IgM.Ab

Available

Coming Soon

In-development

Currently Available 25 Parameters

Compact & Cost-effective

- 30% size of traditional CLIA machine
- Less than 50% cost of traditional CLIA machine

Delicate Machine Design

- No liquid path inside, maintenance-free
- Innovative integrated design of magnetic separation and pipetting system
- Simplified mechanical movement

Ease of Use

- Master operation procedure in 30 mins
- Zero cost for analyzer consumables



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Thank You

