

Thyroid. Hormone. Tumor Marker.

Automatic Chemiluminescence Immunoassay Analyzer

TESMI i100



- High throughput of up to 150T/H
- Solution for tight lab spaces



Product Features



Small

Only **1/6** the size of a traditional chemiluminescence analyzer
500mm*645mm*648mm

Fast

Single machine throughput of **150T/H**

Accurate

Fully automated detection
Precise traceability system
Perfect quality control management

Sensitive

Acridinium ester chemiluminescence
Wider linear range
Better precision and sensitivity

Applicable Scenarios



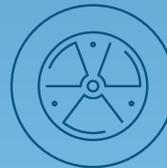
General Hospitals
A&E Department

Comprehensive, Fast, Accurate
Overall Solution for
Cardiovascular and Inflammation



Supplement
Extended Selection
of Assays

Tumor Markers:
proGRP, HE4, CA50, CA242;
Cardiovascular Markers:
H-FABP, D-dimer, sST2, etc.



Clinical Laboratories
Immediate Diagnosis

Suitable Quick Analysis in
Fever Clinics, A&E Unit,
Respiratory Clinics,
Cardiology Unit,
Pediatrics, etc.



Primary Care
At Your Convenience

Abundant Selection of
Markers to Fulfill
Day-to-day Screening
and Diagnosis

Test Menu

Cardiovascular and Inflammatory Markers (10 Assays)

hs-cTnI

CK-MB

MYO

hFABP

D-Dimer

IL-6

PCT

BNP

NT-ProBNP

ST2

Tumor Markers (23 Assays)

AFP

CEA

NSE

CYFRA21-1

CA125

CA19-9

SCCA

tPSA

fPSA

free- β -hCG

PGI

PGII

ferritin

β 2-MG

CA15-3

proGRP

HE4

CA72-4

CA24-2

CA50

G-17

PIVKA-II

HER2

Thyroid Function Markers (8 Assays)

TSH

TT3

FT3

TT4

FT4

TG

TgAb

TPO Ab

Hormone Markers (8 Assays)

AMH

FSH

LH

PRL

P

T

β -hCG

E2

Infectious Disease Markers (8 Assays)

TP Ab

HCV Ab

HIV Ag/Ab

HBsAg

HBsAb

HBeAg

HBeAb

HBcAb

Bone Turnover Markers (6 Assays)

25-OH VD

PTH

Osteocalcin

calcitonin

P1NP

β -CTX

Diabetes Markers (2 Assays)

Insulin

C-Peptide

Anemia Markers (2 Assays)

Folate

B12

Basic Parameters

Model	TESMI i100
Throughput	150 T/H, 120 T/H for two-step immunocapture technique
Reaction Time	6+6 mins
Testing Principle	Acridinium ester chemiluminescence
Reagent Slots	15, flexible exchange and addition, with refrigeration function
Sample Slots	24, flexible exchange and addition
Reaction Cup Slots	130 cups, can be added anytime
A&E Function	Flexible on-the-spot priority testing
Sample Type	Supports vacutainers and micro sample cups
Weight	105kg
Dimension	500mm x 666mm x 678mm (W*D*H)

Smart System

- One-click maintenance function
- Liquid level detection, empty suction alert, blocked needle alert
- Real-time monitoring with alarm of liquid and waste
- Smart display of sample rack condition
- Supports various vortexing modes
- Supports diverse testing modes
- Self-diagnose, self-process, and self-protect under abnormal situations
- 2 independent mechanical claws work fast and efficiently
- 2 independent needles for adding sample and reagents
- Unique incubation and washing technique
- Smart data analyzing, automatic detection of abnormal data
- Negative pressure suction needle design, stable and reliable
- Supports real-time dilutions
- External bucket liquid level detection
- Two vortex mixing structures for sample-reagent vortex and substrate vortex

Software System

- Random, batch, emergency operation modes
- Supports LIS system for two-way data transfer
- Remote IoT service function
- 10-inch touch-screen with graphical operational interface
- 24-7 remote online technical support and maintenance

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WeChat Program