

## Specification

- Throughput: 180T/h
- Time to 1<sup>st</sup> Result: 21 mins
- RV Loading Capacity: 80 X 2 pcs
- Sample Loading Capacity: 60 samples with 1 STAT channel
- Sample Pipette Volume: 8 - 150  $\mu$ L
- Sample Dilution Factor: up to 2601-fold
- Liquid Level Detection and Clot Detection
- Onboard Reagent Capacity: 25 racks
- Onboard Reagent Storage: independent refrigerating system
- Real-time Replacement of Reagent by Appointment
- Consumables Residue Calculation (LED Monitor and Software Monitor)
- Substrate: Substrate A+B
- Substrate Volume: 100 mL for each
- Substrate Switching: 2 sets of substrates available on board by automatic switching
- Carry-over: < 1 ppm
- Reaction mode: 1 step and 2 steps
- Size (W\*D\*H, mm) = 1200 x 736 x 635 mm
- Weight: 183 kg

## Smarter Versatile and strong, brings more accurate results

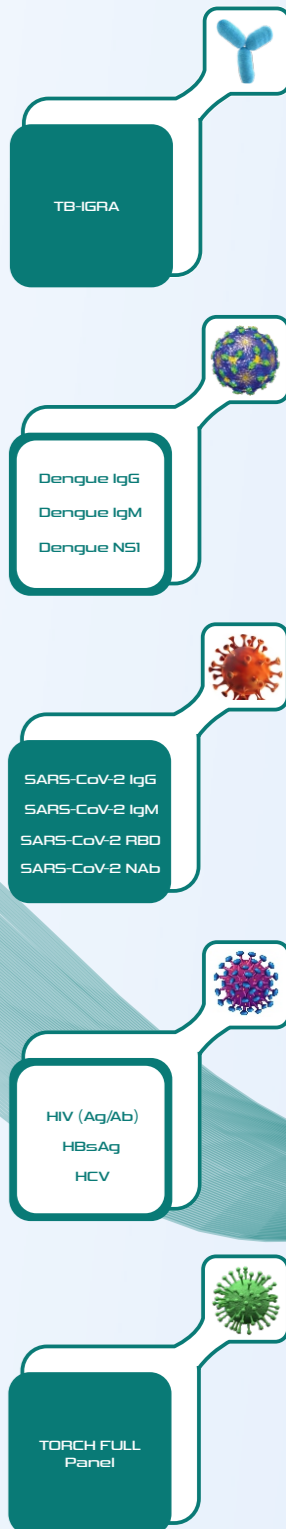
- Lower Carryover  
Surrounding washing by vacuum brings low carryover, especially beneficial to infectious disease items
- Reduce failure rate  
Stepping work station for magnetic separation. Integrated Elution & Injection & Reading & Discard Module.
- Lower background  
Bi-directional swimming for washing, decrease non-specific absorption.
- Improve precision  
Innovative vibration mixing. Fully mixed within 1.8s.

## Simpler Easy operation and save time

- Consumable Management  
Visual management of consumables, automatic switch of dual-substrate.
- Reagent Management  
Keep cooling after switch off. Random access.
- Auto-retesting  
Auto-repeat and auto-dilution.

# Autolumo A1860

## Fully Automated Chemiluminescence Immunoassay Analyzer



“Touching Human Lives Through Innovation”

### Matrix Labs

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### 01 Fixed Pipette Probe Module

- Onboard sample dilution up to 2601-fold
- Intelligent liquid level and clot detection system
- Sample & reagent adding by one needle
- Vacuum Washing Station avoid high carry-over

### 03 Reagent Module

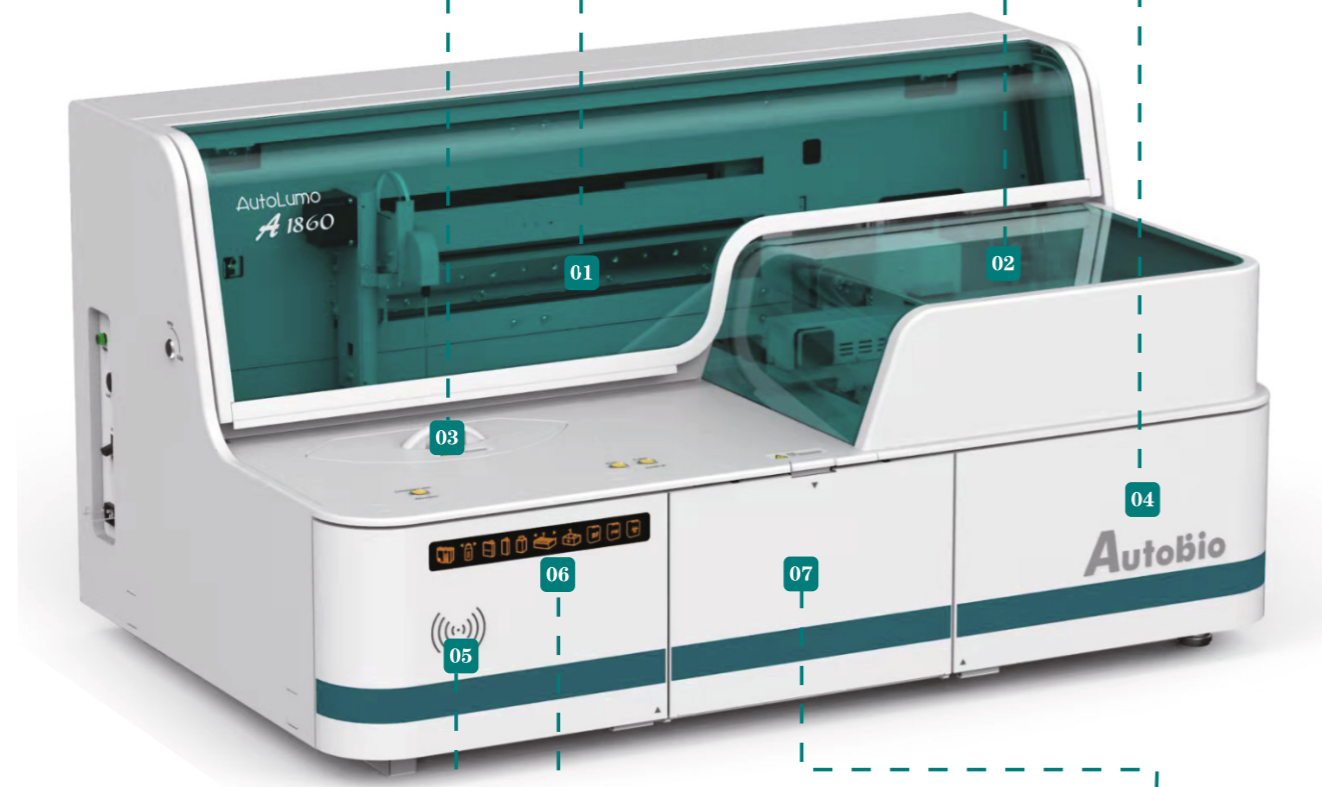
- Independent refrigerating system after outage
- Up to 25 reagent positions available
- Reagent stability onboard up to 28 days
- Online-reagent change without interruption

### 02 Innovative "RIDE" Module

- Integrated Elution & Injection & Reading & Discard Module
- 5-times magnetic washing provide lower background

### 04 Reaction Vessel Module

- Up to 160 pcs per batch (80 pcs x 2 cassettes)
- Continuous loading and offloading



### 05 One-stop Consumable Panel

- 8 mm colored panel indicating consumables left
- RFID scanning of consumables

### 06 Substrate Module

- Dual substrate onboard by automatic switching

### 07 Sample Loading Module

- Loading capacity of 60 samples per batch
- STAT position of 1 channel(5 STAT Positions)
- Continuous loading and offloading available
- Random access

## Menu

### Thyroid

T3  
T4  
TSH  
FT3  
FT4  
Anti-TG  
Anti-TPO  
TG  
PTH  
rT3\*

### Fertility

FSH  
LH  
Prolactin  
β-hCG  
AMH  
SHBG  
DHEA  
17 α-OHP  
Estradiol  
Testosterone  
Progesterone

### Anemia

Ferritin  
FA  
VB12

### Bone Metabolism

OST\*  
CT\*  
25-OH VD  
PTH

### Diabetes

Insulin  
C-Peptide

### Growth

IGF-1  
HGh

### Tumor marker

AFP  
CEA  
CA50  
CA125  
CA15-3  
CA19-9  
β2-MG  
CA72-4  
SCCA  
NSE  
CYFRA 21-1  
PSA  
fPSA  
HE4  
CA242\*  
PGI\*  
PGII\*  
ProGRP\*  
Ferritin

### Cardiac Markers

CK-MB  
cTnl  
MYO  
NT-proBNP  
BNP\*  
Trop T

### Hepato fibrosis

Col IV  
PIII NP  
HA  
LN  
CG

### Pre-Natal

f-β-HCG  
P-AFP  
u-E3  
PAPP-A  
Inhibin-A\*

### Infectious disease

HIV Ag/Ab Combo  
Anti-HCV  
Anti-TP  
HAV IgM  
HEV IgG  
HEV IgM

### Hepatitis B

HBsAg  
HBsAb  
HBeAg  
HBc-IgM  
Anti-HBs  
Anti-HBe  
Anti-HBc  
HBV PreS1-Ag  
Anti-HBc IgM

### TORCH

Toxo IgG  
Toxo IgM  
Rubella IgG  
Rubella IgM  
CMV IgG  
CMV IgM  
HSV-1 IgG  
HSV-1 IgM  
HSV-2 IgG  
HSV-2 IgM

### Tropical Diseases

Dengue IgG  
Dengue IgM  
Dengue NS1  
Chikungunya-IgM\*  
Malaria Ag\*  
Leptospira IgM\*  
Typhoid\*

### RTI & Other infection

*Mycoplasma pneumonia IgG\**  
*Mycoplasma pneumonia IgM\**  
*Chlamydia pneumonia IgM\**  
Anti-Respiratory Syncytial Virus\*  
Adenovirus IgM\*  
Enterovirus71 IgM\*  
Coxsackie Virus IgM\*  
Influenza A Virus IgM\*  
Influenza B Virus IgM\*  
Anti-Parainfluenza IgM Virus\*

### SARS-CoV-Panel

SARS-CoV-2 IgG  
SARS-CoV-2 IgM  
Anti-SARS-CoV-2 RBD  
SARS-CoV-2 NAb(Quantitative)

### Inflammation

hs-CRP  
PCT  
IL-6

### Coagulation

D-Dimer

### Hypertension

Cortisol  
ACTH  
Cortisol  
Renin  
Angiotensin II

### Others

TB-IGRA  
IGE

(\*Under Development)