

➡ **Specification**

Throughput	180T/H
Time to 1st Result	21 mins
Rv Loading Capacity	80 X 2 pcs
Sample loading capacity	60 Samples with 1 STAT channel
Sample Pipette Volume	8 -150 µL
Onboard reagent capacity	25 Packs
Onboard reagent storage	Independent refrigerating system
Substrate	Substrate A+B
Substrate volume	100 ml for each
Substrate switching	2 sets of substrates available on board by automatic switching
Carry - over:	< 1ppm
Reaction mode:	1 step and 2 steps
Size(W*D*H, mm)	1200 x 736 x 635 mm
Weight	183 kg
Sample Dilution factor	Up to 2601-fold

➡ **Smarter** Versatile and strong, brings more accurate results

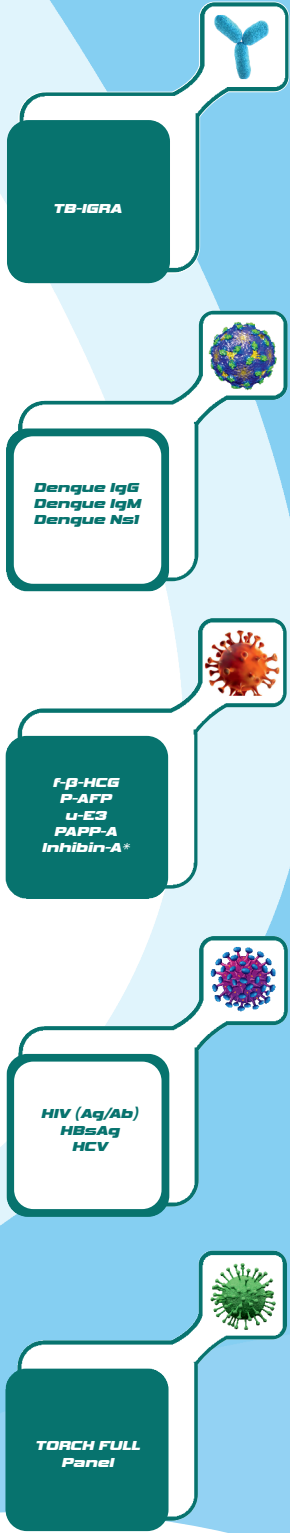
- Lower Carryover
Surrounding washing by vacuum and teflon coated sample probe brings low carryover especially beneficial to infectious disease parameters.
- Reduce failure rate
Stepping work station for magnetic separation. Integrated Elution & Injection & Reading & Discard Module.
- Lower background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

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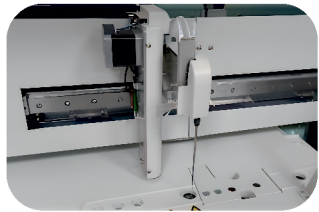
Autolumo A1860

Fully Automated Chemiluminescence Immunoassay Analyzer



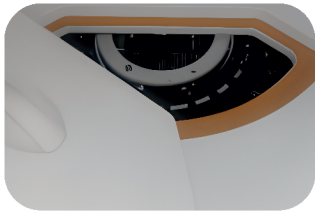
“Touching Human Lives Through Innovation”





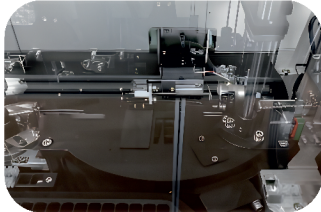
01 Fixed Pipette Probe Module

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



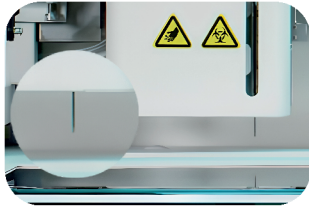
03 Reagent Module

- Independent refrigerating system after outage
- Up to 25 reagent positions available
- Online-reagent change without interruption



02 Innovative "RIDE" Module

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



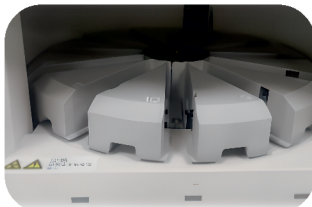
04 Reaction Vessel Module

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



05 Substrate Module

- Dual substrate onboard by automatic switching



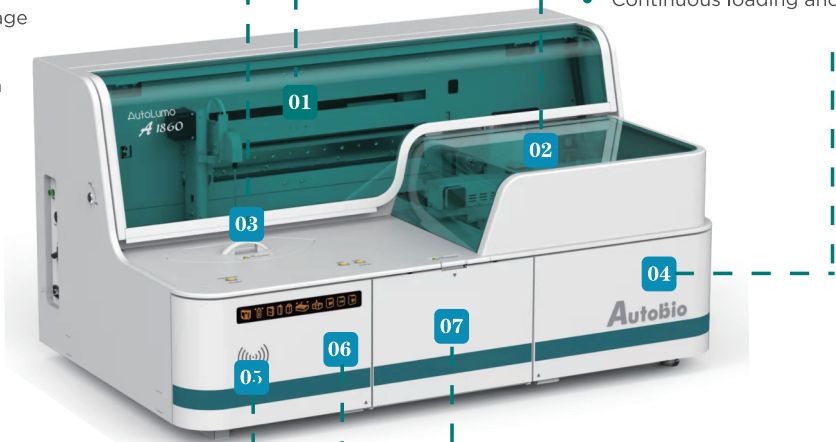
07 Sample Loading Module

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



06 One-stop Consumable Panel

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



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
Free Testosterone

Anemia

Ferritin
Folate
Vitamin B12

Bone Metabolism

OST*
CT*
25-OH Vitamin D
PTH

Pre-Natal

f-β-HCG
P-AFP
u-E3
PAPP-A
Inhibin-A*

Autoimmune

ANA

Anti-SS-A/Ro IgG
Anti-Ro-52 IgG
Anti-SS-B IgG
Anti-Scl-70 IgG

Anti-dsDNA IgG

Anti-Jo-1 IgG
Anti-Sm IgG
Anti-nRNP/Sm IgG
Anti-rib P IgG

Anti-CCP IgG

RF
RF IgM
RF IgG
RF IgA

Anti-CL

Anti-CL IgA
Anti-CL IgG
Anti-CL IgM
Anti-β2-GP1

Anti-β2-GP1 IgA

Anti-β2-GP1 IgG
Anti-β2-GP1 IgM
Anti-PR3 IgG
Anti-MPO IgG

Anti-GBM IgG

AMA-M2 IgG
Anti-gp210 IgG
Anti-sp100 IgG
GADA

IAA IgG

ICA IgG
IA-2A IgG

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
PIVKA-II

Cardiac Markers

CK-MB
cTnI
MYO
NT-proBNP
BNP*
Trop T

Hepato fibrosis

Col IV
PIII NP
HA
LN
CG

Diabetes

Insulin
C-Peptide

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 Ag
Chikungunya-IgM*
Malaria Ag
Leptospira IgM*
Typhoid*
Filariasis Ab
Scrub typhus Ab

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
Helicobacter pylori IgG
Helicobacter pylori IgM*
PCT
IL-6

Coagulation

D-Dimer

Hypertension

Cortisol
ACTH
Renin
Angiotensin II
Aldosterone

Growth

IGF-1
HGH

Tuberculosis

TB-IGRA

Allergy

Total IgE