

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: 5 – 150 µL
- Sample Dilution Factor: up to 2601-fold
- Liquid Level Detection and Clot Detection
- Onboard Reagent Capacity: 25 Packs
- 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
- Barcode reader recognition or analyser auto numbered
- LIS connection, auto read sample information is available.
- Uses chemiluminescent microparticle immunoassay technology
- RFID tag / barcode with built-in master curve
- Calibration stability: 28 days
- Precisely controlled syringe motors for high precision aspiration
- Efficient interior probe wash with system wash
- Programmable enhanced probe wash with detergent
- Consistent performance reliability with enhanced PMT detection system
- Eccentric non-contact swirl mixing

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.

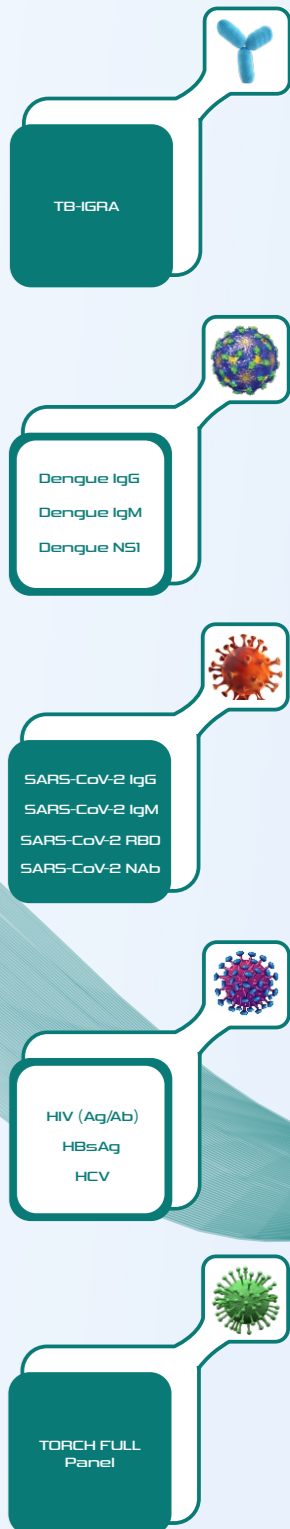
Matrix Labs Diagnostics Pvt. Ltd.,

"Matrix Towers" 3rd Floor, S.No-114/13A, 13B, 12B, 12A2,
Ponnamman Kovil Street, Noombal,
Chennai-600077, India.
+91-044-26793885 / 87 / Toll Free - 18001201719,
info@matrixlabs.in, www.matrixlabs.in



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
- 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

07 Sample Loading Module

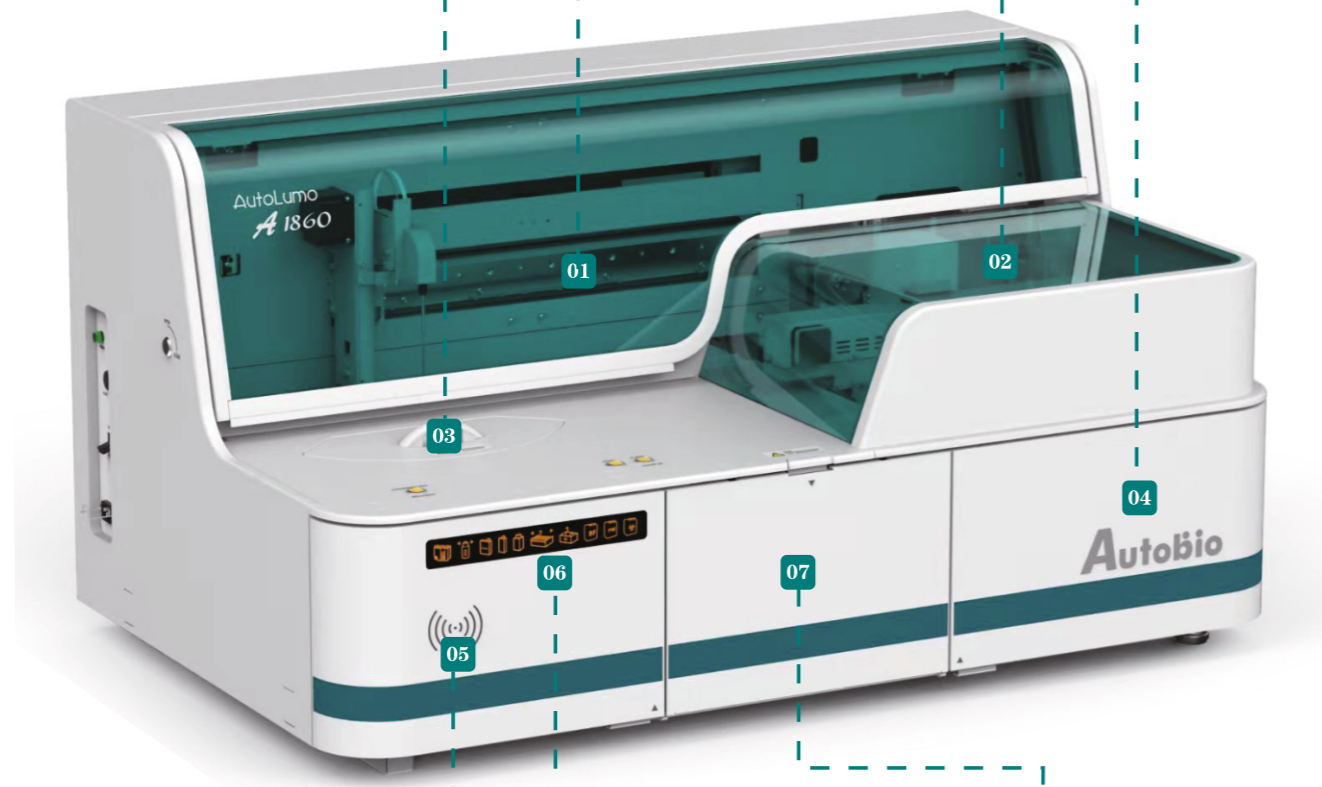
- Loading capacity of 60 samples per batch
- STAT position of 1 channel(5 STAT Positions)
- Continuous loading and offloading available
- Random access

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



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

Pre-Natal

f-β-HCG
P-AFP
u-E3
PAPP-A
Inhibin-A*

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
HBeAb
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*
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
Cortisol
Renin
Angiotensin II

Growth

IGF-1
HGH

Others

TB-IGRA
IGE

(*Coming Soon)

➡ 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.

Autoimmune

ANA	Anti-dsDNA IgG	Anti-CCP IgG	Anti-CL*	Anti-β2-GP1 IgA*	Anti-GBM IgG*	IAA IgG*
Anti-SS-A/Ro IgG*	Anti-Jo-1 IgG*	RF*	Anti-CL IgA*	Anti-β2-GP1 IgG*	AMA-M2 IgG*	ICA IgG*
Anti-Ro-52 IgG*	Anti-Sm IgG*	RF IgM*	Anti-CL IgG*	Anti-β2-GP1 IgM*	Anti-gp210 IgG*	IA-2A IgG*
Anti-SS-B IgG*	Anti-nRNP/Sm IgG*	RF IgG*	Anti-CL IgM*	Anti-PR3 IgG*	Anti-sp100 IgG*	ZnT8A IgG*
Anti-Scl-70 IgG*	Anti-rib P IgG*	RF IgA*	Anti-β2-GP1*	Anti-MPO IgG*	GADA*	