



Specifications

Methodology	Electro-chemiluminescence Immunoassay (ECLIA)
Test mode	Batch, STAT
Throughput	86 T/h
Time to first result	9 mins
Reagent system	10 positions; 4-15°C onboard refrigeration
Sample position	30 positions; Continuous loading
Sample volume and type	5-100 µL; Serum and plasma
Incubation system	100 positions; 37±0.3°C incubation
Probe system	Liquid level detection; Clot detection; Anti-collision function
Operation system	Windows 10, Touch screen, LIS compatible
Optional function	Automatic decapping
Dimensions and weight	650 mm×620 mm×650 mm (25.6"H x 24.4"W x 25.5"D); 100kg

Assay Menu

Tumor marker CEA AFP CA 19-9 CA 15-3 CA 125 HE4 TPSA FPSA SCC NSE CYFRA 21-1 proGRP CA 72-4 S100 CA 50 CA 242	Cardiac cTnI CK-MB MYO NT-proBNP H-FABP Lp-PLA2 MPO hs-cTnT STAT CK-MB STAT MYO STAT NT-proBNP STAT BNP STAT BNP H-FABP STAT Lp-PLA2 STAT* hs-cTnI STAT* sT2*	Fertility FSH LH PRL E2 TESTO PROG Total β-HCG AMH SHBG Total β-HCG STAT PROG STAT free TESTO* 17α-OHP* DHEA-S*	COVID-19 SARS-CoV-2 IgG SARS-CoV-2 IgM SARS-CoV-2 Neutralizing Ab Infectious HBsAg Anti-HCV HIV Ag+Ab Syphilis HBeAg Anti-HBs Anti-HBe Anti-HBc
TORCH Toxo IgG* Toxo IgM* Rubella IgG* Rubella IgM* CMV IgG* CMV IgM* HSV-1 IgG* HSV-2 IgG* HSV-1 IgM* HSV-2 IgM* Toxo IgG Avidity* CMV IgG Avidity*	Cytokines IL-1 β IL-2 IL-2R IL-4 IL-5 IL-6 IL-8 IL-10 IL-17A TNF-α INF-γ* INF-α* IL-12p70*	Inflammation PCT IL-6 hs-CRP SAA PCT STAT IL-6 STAT hs-CRP STAT HBP*	Thyroid TSH T4 T3 FT4 FT3 TG TBG Anti-TPO Anti-TG Anti-TSHR rT3*
Bone marker 25-OH Vitamin D 25-OH Vitamin D II PTH CT N-MID PINP* β-CTx*	Growth hormone hGH IGFBP-3 Inhibin B* Androstenedione*	Hypertension Cortisol ACTH Aldosterone Renin	Coagulation D-Dimer STAT FDP TAT* PIC* TM* t-PAI-C*
Diabetes Insulin C-peptide	Prenatal screening AFP free β-HCG* PAPP-A* uE3*	Anemia Vitamin B12 Folate Ferritin EPO*	Gastric marker PG-I PG-II Gastrin-17
	Hepatic fibrosis CIV CG LN PIIINP HA	Allergy IgE	Autoimmune Anti-CCP

* Coming soon

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eCL8000

Lifotronic
 — Caring for Better Life —



Automated Electro-chemiluminescence Immunoassay (ECLIA) Analyzer



eCL8000

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eCL8000

Automated Electro-chemiluminescence Immunoassay (ECLIA) Analyzer

Compact and More

Automated Electro-chemiluminescence Immunoassay (ECLIA) Analyzer

Minimum space occupation

Outstanding performance

Rapid measurement

Easy operation



Advantages of Electro-chemiluminescence Immunoassay

- Controllable signalling process
- Even, strong and long-lasting planar luminescence
- High sensitivity and precision
- Small sample volume needed
- Stable label and reagent
- Suitable for the detection of small molecular analytes

Automated Electro-chemiluminescence Immunoassay (ECLIA) Analyzer

eCL8000

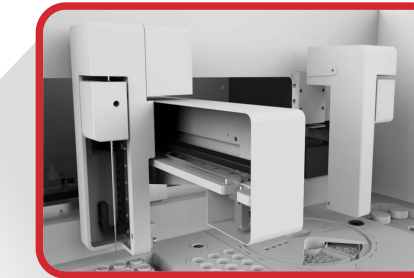
- Up to 86 T/Hour, 9 Minutes to Show 1st Result
- 10 Reagent Positions on Board
- Constant 4-15°C Refrigeration Reagent Slot
- Automatic Magnetic Bead Mixing



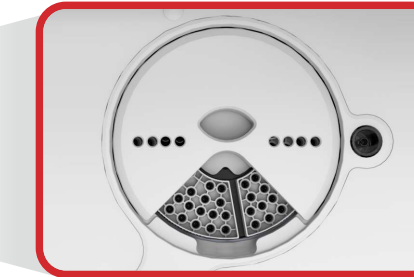
- 3 Sample Racks, 10 Positions per Rack
- Sample Positions with Independent Barcode
- STAT Available
- Automatic Dilution Function



- Integrated Barcode Scanner and Card Reader
- RFID Card Linked with Auto-Calibration Function



- Titanium Alloy Needle with Teflon Coating
- Sample Clot Detection & Liquid Detection
- Needle Collision Protection and Needle Blocking Detection



- 100-tests Incubation Space
- Disposable Incubation Cup
- Constant 37°C Incubation



- Windows10 Operating System
- User Friendly Interface
- Touch Screen Operation
- LIS Compatible
- Intelligent Management for Calibration, QC and Troubleshooting

