

Assay Menu

Tumor marker	Cardiac	Fertility	COVID-19
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	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*	FSH LH PRL E2 TESTO PROG Total β-HCG AMH SHBG Total β-HCG STAT PROG STAT free TESTO* 17α-OHP* DHEA-S*	SARS-CoV-2 IgG SARS-CoV-2 IgM SARS-CoV-2 Neutralizing Ab
TORCH	Cytokines	Inflammation	Infectious
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*	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*	PCT IL-6 hs-CRP SAA PCT STAT IL-6 STAT hs-CRP STAT HBP*	HBsAg Anti-HCV HIV Ag+Ab Syphilis HBeAg Anti-HBs Anti-HBe Anti-HBc
Bone marker	Growth hormone	Hypertension	Thyroid
25-OH Vitamin D 25-OH Vitamin D II PTH CT N-MID P1NP* β-CTX*	hGH IGFBP-3 Inhibin B* Androstenedione*	Cortisol ACTH Aldosterone Renin	TSH T4 T3 FT4 FT3 TG TBG Anti-TPO Anti-TG Anti-TSHR rT3*
Diabetes	Prenatal screening	Anemia	Coagulation
Insulin C-peptide	AFP free β-HCG* PAPP-A* uE3*	Vitamin B12 Folate Ferritin EPO*	D-Dimer STAT FDP TAT* PIC* TM* t-PAI-C*
	Hepatic fibrosis	Gastric marker	Allergy
	CIV CG LN PIIINP HA	PG-I PG-II Gastrin-17	IgE
		Autoimmune	Anti-CCP

* Coming soon

Technical Specifications

General information	
Methodology	Electro-chemiluminescence Immunoassay (ECLIA)
Chemiluminescence label	Ruthenium trisbipyridyl
Throughput	200 T/h
Time to first result	9 min
Test mode	Random access, Batch, STAT
Sample module	
Sample position	80 positions, continuous loading
Sample barcode reading	Integrated automatic scanning
Sample dilution	Automatic dilution
Sample probe	Disposable tip, liquid level detection, clot detection, bubble detection, collision protection
Sample volume	5-100 μL
Reagent module	
Reagent position	30 positions, continuous loading
Reagent information reading	Integrated automatic RFID reading
Reagent probe	Steel probe, liquid level detection, clot detection, bubble detection, collision protection
Incubation module	
Incubation position	69 positions
Incubation temperature	37±0.3°C
Magnetic separation module	
Magnetic separation	Magnetic separation increase sensitivity
Mixing function	Non-contact vortex mixing
Consumable management	
Consumable position	2 sets of liquid consumable positions, 2 trays of Assay cup/Assay tip
Consumable status	Real time monitoring
Consumable loading	Non stop loading of all consumables
Working condition	
Power supply	a.c.100-240V; 50/60Hz
Input power	1600 VA
Operating temperature	15°C-30°C
Humidity	30%-70%
Altitude	-400 m-4500 m
Dimensions	1250 mm (W) *780 mm (D)*750 mm (H)
Weight	240 kg

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CE NMPA

eCL8600

Lifotronic
— Caring for Better Life —



Automated Electro-chemiluminescence Immunoassay (ECLIA) Analyzer

eCL8600

Automated Electro-chemiluminescence Immunoassay (ECLIA) Analyzer

(SSE: 688389)

eCL8600

Automated Electro-chemiluminescence Immunoassay (ECLIA) Analyzer



Efficient

- Continuous sample loading
- Consumables change without stop running
- 1 min response to STAT sample



Intelligent

- Photographic visual barcode scanning system
- Automatic liquid level, clot detection, bubble detection and collision protection
- Customize any sample position as STAT



Convenient

- Screen and indicators shows consumables status
- Reagent remaining tests real time monitoring
- Calibrator and quality control automatically identified by barcode



Accurate

- Advanced ECLIA technology
- Disposable tip avoid carryover
- Multiple step magnetic separation
- World leading degassing device remove air bubbles



Reagent Module

- 30 reagent positions
- Constant 2-8°C refrigeration
- Automatic real time magnetic beads mixing
- Automatic reagent information reading by RFID card
- Onboard reagent loading



Sample Module

- 80 sample positions
- 1 min response to STAT sample
- Automatic sample information reading by barcode
- Continuous sample loading and unloading



Sample Probe Module

- Disposable tip avoid carryover
- Liquid level detection
- Clot detection
- Bubble detection
- Collision protection



Reagent Probe Module

- Teflon coated steel needle avoid carryover
- 360° waterfall vacuum washing plus swab washing
- Liquid level detection
- Clot detection
- Bubble detection
- Collision protection

Incubation Module

- Disposable assay cup
- Constant 37°C incubation temperature



Magnetic Separation Module

- Magnetic separation increase sensitivity
- Non-contact vortex mixing



Consumable Module

- Prepacked Assay cup/Assay tip tray
- Two sets of liquid consumables, one as backup
- Non stop loading of all consumables



Operation System Module

- 15.6 inch touchscreen interface
- LIS compatible

