

A Partner for Life
Chemiluminescence Immunoassay Analyzer

CM-180

Chemiluminescence
Immunoassay Analyzer

CM-180 ^{NEW}

Chemiluminescence
Immunoassay Analyzer



OVERALL PERFORMANCE

Technology principle	Magnetic chemiluminescence
Marker	Acridinium ester
Throughput	180 tests/h
Reagent position	25 positions
Reagent storage temperature	2~8 C
Sample position	90 positions
Barcode identification	Internal
Sampling techology	Liquid level detection
Interface	Internet interface
Connect LIS/HIS system	Able to connect LIS/HIS
Weight	About 250kg
Power consumption	About 1100VA
Dimension	1325mm×825mm×760mm (L×W×H)
Power supply	220±22VAC/110±11VAC



ALL EFFORTS FOR BEST EXPERIENCE

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Chemiluminescence
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DIRUI

- 180 T/H Excellent performance
- Advanced detection principle, accurate results
- Humanized design, simple and efficient
- Intelligent operating software, convenient and friendly

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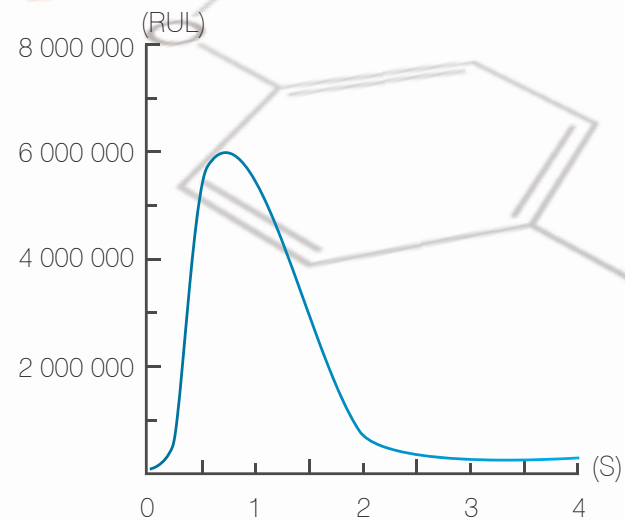


Specifications subject to change without notice.
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DIRUI

CM-180 utilizes the most widely used acridinium ester chemiluminescence system in the world

Featuring advanced detection principle and reliable technology



ACCURATE TEST RESULT

- Sample probe with disposable Tip design
- Sample probe with function of bubble and clot detection
- Reagent disk refrigerated at 2-8 °C
- Unique design of reagent kits, non-contact mixing method
- Non-contact multi-position mixing method of reaction disk
- Precise magnetic particles separation technology
- Quality control and calibrators need no pre-treatment

HUMANIZED FUNCTIONAL DESIGN

- Unique sample rack design
- Integrate reagent kits design, flexible test package setting
- Cantilever type 23.8-inch high-definition touch-screen computer(optional)
- Intelligent & personalized software design
Test countdown
Standby countdown
Maintenance countdown



REAGENT PANEL

Thyroid	
Free Triiodothyronine	FT3
Free Thyroxine	FT4
Triiodothyronine	T3
Thyroxine	T4
Thyroid Stimulating Hormone	TSH
Thyroglobulin	TG
Antibodies to Thyroid Peroxidase	A-TPO
Antibodies to Thyroglobulin	A-TG
*Thyroid Microsome Antibody	TMA
*Thyroid Hormone Receptor Antibody	TRAb
*Thyroxine Binding	TUP
*Serum Anti-triiodothyronine	rT3

Gonad	
Follicle Stimulating Hormone	FSH
Estradiol	E2
Luteinizing Hormone	LH
Testosterone	T
Progesterone	P
Prolactin	PRL
Beta-Human Chorionic Gonadotropin	β-HCG
*Free Estriol	UE3

Anemia	
Ferritin	FER
*Vitamin B12	VB12
*Folate	FA

Metabolism	
Insulin	Ins
C-Peptide	C-P
*Anti-human Insulin Antibody	IAA

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Tumor markers	
Cancer Antigen 15-3	CA15-3
Tumor Associated Antigen CA 125	CA125
Carbohydrate Antigen 19-9	CA19-9
Alpha-fetoprotein	AFP
Carcinoembryonic Antigen	CEA
Total Prostate-specific Antigen	t-PSA
Free Prostate-specific Antigen	f-PSA
*Carbohydrate antigen 50	CA50
*Cytokeratin-19-fragment	CYFRA21-1
*Carbohydrate antigen 242	CA242
*Carbohydrate antigen 72-4	CA72-4
*Neuron-specific enolase	NSE

Infectious	
Hepatitis B virus Surface Antigen	HBsAg
Antibody to Hepatitis B Virus Surface Antigen	Anti-HBs
Hepatitis B virus e Antigen	HBeAg
Antibody to Hepatitis B Virus e Antigen	Anti-HBe
Hepatitis B virus core antibody	Anti-HBc
Antibody to Hepatitis C Virus	Anti-HCV
*Treponema pallidum antibody	Anti-TP
*HIV Ag & Ab combination	HIV Combi
*Hepatitis B virus core IgM antibody	Anti-HBc IgM
*Hepatitis A virus antibody	Anti-HAV
*Hepatitis A virus IgM antibody	Anti-HAV IgM
*Hepatitis E virus IgM antibody	Anti-HEV IgM
*Hepatitis E virus IgG antibody	Anti-HEV IgG

Cardiac markers	
Creatine Kinase MB	CK-MB
Myoglobin	MYO
Cardiac Troponin I	cTn I
B-type Natriuretic Peptide	BNP

EFFICIENT WORKING MODE

- Time to first result: 15 minutes
- Batch test throughput up to 180T/H
- 90 sample positions, walk-away time up to 2.5 hours
- Flexible STAT priority function
- 25 reagent positions
- Reagents auto registered
- Samples and consumables on-board loading

COMPREHENSIVE QUALITY MANAGEMENT SYSTEM

- CM-180 has a complete quality assurance system including calibrators, quality control materials, and reagents. Calibrators materials can be traced to national or international standard materials
- CM-180 has a comprehensive list of test items and is of great clinical application value, covering tumor markers , thyroid , gonad, cardial markers, infection, metabolism, and anemia



“*” The items are under developing,and for now, their name are unavailable for registration