

Launch of a new chemiluminescence immunoassay analyzer “iStar500”

-Flexibility Meets Accuracy-

Tokyo, Japan - November 17, 2023 - Medical & Biological Laboratories Co., Ltd. (CEO: Hiroki Ito), a JSR Life Sciences Company, announced today that it will release an automated mono-test chemiluminescence immunoassay (CLIA) analyzer “iStar 500” worldwide.

The iStar is a highly automated mono-test analyzer based on CLIA technology. The compact and integrated design, combined with highly sensitive CLIA technology, makes it an ideal choice for emergency diagnosis or small- to medium-sized labs looking for accurate testing results.

The bench top CLIA analyzer offers a wide range of testing parameters including cardiac markers, reproductive health, liver health, tumor markers and autoimmunity.

For cardiac biomarkers, whole blood is an analyte for measuring the markers and allows healthcare professionals to make timely and informed decisions for patients. MBL is proud to offer excellent assay performance for whole blood type cardiac biomarkers in the world with Japan quality.

Images of the iStar 500



Front



Side

* Images may differ in appearance from the actual product.

Test Panels:

Cardiac Marker	Reproductive Health	Thyroid	Autoimmunity	Tumor Marker
Myo	Prolactin	TSH	ANA	PG 1
CK-MB	E2	FT4	dsDNA	PG 2
cTnI	LH	FT3	Anti-CCP	Gastrin 17
hs-cTnI	Testosterone	T4	RF	CEA
NT-proBNP	Progesterone	T3	tTg IgG	AFP
D-Dimer	FSH	Tg	tTg IgA	CA 125
HCY	HCG	Anti-Tg	DGP IgG	CA 15-3
Anemia	AMH	Anti-TPO	DGP IgA	CA 19-9
Ferritin	Inhibin B	Anti-TSHR	GADA	PSA
Vitamin B12	SHBG	Inflammation	IAA	fPSA
Folate	DHEA-S	PCT	IA-2A	AFP-L3%
Growth	Liver Health	IL-6	ICA	PIVKA-2
hGH	CHI3L1	SAA	ZnT8A	Glycometabolism
IGF-1	Allergy	CRP	Bone Metabolism	C-peptide
IGFBP-3	Total IgE	HBP	25-OH Vitamin D	Insulin

Specifications:

Model	iStar 500
Detection Principle	Acridinium-ester direct chemiluminescence
Throughput	36 T/H
Time to first result	11 mins
Auto Sampling Position	5
Sample Types	Whole blood, Serum, Plasma, etc.
Sample Volume	5-150 uL
Reagent Position	6 × 2
Reaction Vessel Capacity	24 × 2
Interface	10.1" build-in touch screen
Incubation Temperature	37.0 ± 0.3°C
Communication Ports	Network port, com port, bi-direction LIS
Dimensions	550 mm(W) × 570 mm(D) × 680 mm(H)
Weight	55 kg

Contact:

Medical & Biological Laboratories Co., Ltd.

Head Quarter: SUMITOMO FUDOSAN SHIBADAIMON NICHOME BLDG. 2-11-8 Shibadaimon,
Minato-ku, Tokyo 105-0012 Japan

Inquiry: <https://www.mblbio.com/e/inq/ivd.html>

About Medical & Biological Laboratories Co., Ltd.:

Medical & Biological Laboratories (MBL) was established in 1969 as the first antibody manufacturer in Japan, and researches, develops, manufactures, and sells reagents of in vitro diagnostics (IVD) and reagents for basic research. It has now expanded its business not only to the immunological field but also to the field of genetic diagnosis.

In the IVD business, we develop and sell IVD reagents for autoimmune diseases, cancer, infectious diseases, etc. Particularly in the field of autoantibody diagnosis, we are expanding our product lineup as a top manufacturer in Japan and contributing to medical care in this field where there are many intractable diseases. In the field of oncology, we are contributing to personalized medicine by developing companion diagnostics that predict the effects of drugs.