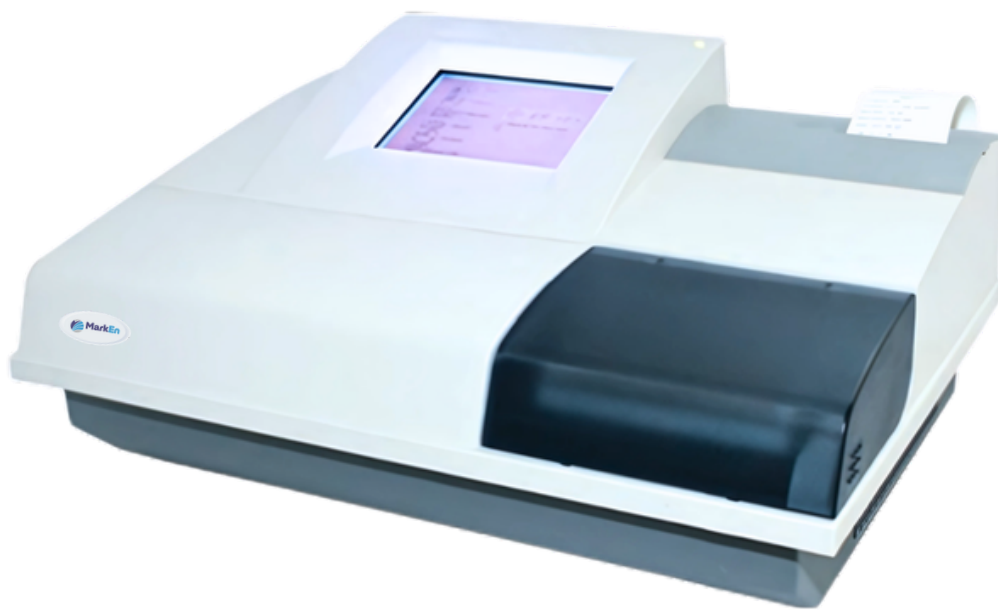




ELISA READER



Quality, Management, Environment, Health & Safety Standards



CDSCO MD 5 License



USFDA Listed



European CE



ISO 9001: 2015
IAF



ISO 13485:2016
NABCB/IAF



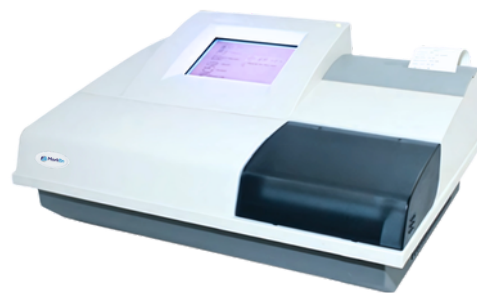
ISO 45001 : 2018
IAF



7 Electric Safety Certifications
IEC 60335-1 and IEC 60335-2-24, IEC 61010-1,
IEC 61010-2-020 and 61010-2-101, IEC 61326-1,
IEC 61326-2-6.

INTRODUCTION

MarkEn Introduces its Advanced ELISA Reader equipped with computerized interface and integrated multifunctional printer-scanner-copier. Designed for precise assay performance, rapid reading, and seamless laboratory integration, it ensures accuracy, efficiency, and smooth HIS/LIS connectivity for modern diagnostic workflows.



KEY FEATURES

- **Measurement Range:** Wide measurement range from 0 to 3.000 Abs with 0.001 Abs resolution.
- **High-Resolution Readings:** 0.001 Abs (display) and 0.0001 Abs (calculation) for maximum accuracy.
- **Wavelengths :**Wavelength coverage from 400–750 nm for versatile applications.
- **Optical Filters :** Standard 405, 450, 490 & 630 nm filters with 5-position filter wheel.
- **Rapid Reading Speed:** Fast reading cycle – completes a full plate in ≤ 11 seconds.
- **Smart Shaking Plate:** Built-in variable-speed plate shaker for uniform sample mixing.
- **Windows-compatible analysis** software for convenient data processing and reporting.
- **Auto Data Backup:** Protects results in case of power outages.
- **High-speed laser** printer with output capacity exceeding 20 pages per minute.

TECHNICAL SPECIFICATIONS	
Make	MarkEn
Type	Fully Automatic ELISA Reader
Plate Compatibility	6, 12, 24, 48 & 96-well microplates
Absorbance Range	0.000–4.000 OD
Dynamic Absorbance Range	0–4.0 OD (Normal/Rapid), 0–3.0 OD (Sweep)
Resolution	0.001 OD (Standalone), 0.0001 OD (PC software)
Repeatability	±0.5% or ±0.005 OD
Wavelengths	400–750 nm
Wavelength Accuracy	±2 nm
Wavelength Selection	Double Monochromator with 1 nm Increment
Band Width	< 8 nm
Detection Method	Absorbance Based Photometric Detection
Assay Modes	Endpoint, Kinetics & Well Area Scanning (PC controlled)
Read Speed	≤11 seconds for 96-well plate
Reading Accuracy & Precision	≤2%
Filter Type	High Quality Interference Filters
Plate Shaking	Linear motion with programmable speed & duration
Plate Heating	Uniform plate heating with stable temperature
Calculation Functions	Automatic cut-off calculation with linear, quadratic, cubic spline and other curve fitting
Display	4.3-inch colour touchscreen LCD
Operation	Standalone operation with onboard software
Protocol Management	Stores ≥40 user-programmable protocols with create, edit and run functions
Detector	Photodiode detector
Temperature Control	Up to 50°C
USB Interface	USB Type-B (PC), USB Type-A (USB drive & printer)
Result Storage	Save assay results directly to USB thumb drive via USB Type-A interface
Light Source	Tungsten Halogen lamp
PC Software	Advanced data analysis and reporting
Data Export	Multiple export formats compatible with standard analysis software
Power Supply	220V, 50/60 Hz

ALL-IN-ONE SOLUTION FOR

Cold Chain Solution
Medical Equipment
Blood Bank Equipment

Hospital & Scientific Equipment
Hospital Furniture & Infrastructure
Commercial Refrigeration



25+

Years of Excellence



400+

Product Range



500+

Service center



1000+

Committed Engineers



1,00,000+

Satisfied Users

CERTIFICATION



10 products tested by a
WHO-PQS accredited
laboratory



ISO 14001: IAF



WHO GMP



BIFMA Certified,
BIFMA Level 3



ASTM- Corrosion
Free Products



ISO 2409

EN 13523-26,
ISO 13849-1,
IP 69, IP 65

& MANY OTHER...

OUR ESTEEMED CUSTOMERS



& MANY MORE...



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