



KINETIC ELISA



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 Kinetic ELISA is a premium microplate reading system designed for reliable absorbance-based assay reading and analysis. It supports multiple reading formats, flexible plate compatibility, and easy software-guided operation for advanced laboratory workflows.



FEATURES

- **Flexible Assay Workflow** : Supports endpoint, kinetic, spectral scanning, and well-area scanning for different test needs.
- **Wide Plate Compatibility** : Suitable for microplates, microvolume plates, and standard cuvette reading.
- **Fast Reading Performance** : Designed for quick kinetic reading of 96-well and 384-well plates.
- **Smart Software Control** : Includes easy programming, predefined protocols, and advanced assay data analysis.
- **Controlled Incubation** : 4-zone incubation with condensation control for stable assay conditions.
- **Multiple Shaking Modes** : Linear, orbital, and double orbital shaking for better mixing flexibility.

TECHNICAL SPECIFICATION

Make	MarkEn
Detection Mode	UV-Vis absorbance
Read Methods	Endpoint, kinetic, absorbance spectral scanning
Microplate Compatibility	6-well to 384-well formats
Wavelength Selection	Monochromator-based system
Wavelength Range	200–999 nm in 1 nm increments or better
Wavelength Accuracy	±2 nm or better
Wavelength Repeatability	±0.2 nm or better
OD Accuracy	<1% at 2.0 OD and <3% at 2.5 OD or better
OD Linearity	<1% from 0 to 2.5 OD or better
OD Repeatability	<0.5% at 2.0 OD or better
Reading Speed – 96 Wells	Approx. 8 seconds or better in kinetic mode
Reading Speed – 384 Wells	Approx. 14 seconds or better in kinetic mode
Stray Light	≤0.03% at 230 nm or better
Detector	Photodiode detector or better
Monochromator Bandwidth	Approx. 2.9 nm or better
Dynamic Absorbance Range	0–4.0 OD or better
Resolution	0.001 OD standalone; 0.0001 OD via PC software or better
Pathlength Correction	Supported under software control
Microvolume Plate Support	Microvolume plates and Take 3 Trio or equivalent
Cuvette Reading	Standard cuvette reading option
Temperature Control	4-zone incubation up to 65°C
Condensation Control	Available
Shaking Modes	Linear, orbital, double orbital
Light Source	Xenon flash lamp
Scanning Control	Onboard and PC software control
Well-Area Scanning	Supported under PC software control
Power Supply	220-240 V AC, 50/60 Hz, Single Phase (Auto-ranging)

ALL-IN-ONE SOLUTION FOR

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1,00,000+

Satisfied Users

CERTIFICATION



10 products tested by a
WHO-PQS accredited
laboratory



ISO 14001: IAF



WHO GMP



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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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