



maxia^{CL}

SEMI AUTOMATED CLIA
PLATE ANALYZER



TOSOH INDIA PVT. LTD.



Maxia, a semi automated chemiluminescence immunoassay plate analyzer is designed for catering to the diverse needs of clinical laboratories. It is based on high end enhanced pulse chemiluminescence technology. Maxia is intended to provide accurate, precise and reliable results.

Maxia is designed for both quantitative and qualitative in-vitro assay determinations for a broad range of applications. Maxia opens up a new era in design simplicity which allows you to run multiple immunoassay analytes in one run.

Maxia, a compact benchtop analyzer with small footprint gives you an access to a broad menu of more than 70 immunoassay parameters e.g. thyroid markers, fertility markers, cancer markers, cardiac markers, vitamins, steroids and many more.

MAXIMIZE YOUR CHEMILUMINESCENCE IMMUNOASSAYS



In-built 70+ preprogrammed protocols

Fast and easy installation

Plug and play operations

Free from hassles of programming

No manual programming required

Saves valuable time

Thyroid & Related Analytes

Total T3, Total T4, Free T3, Free T4, TSH, Tg

Fertility Markers

LH, FSH, Prolactin, hCG, AMH

Prenatal Markers

AFP, hCG, uE3

Cancer Markers

AFP, CEA, PSA, Free PSA, CA 125, CA 19-9, CA 15-3

Steroid Hormones

Progesterone, 17-OH Progesterone, Testosterone, Free Testosterone, Estradiol, Unconjugated Estriol, DHEA-S, Cortisol

Diabetes Related Markers

Insulin, C-Peptide

Cardiac Markers

Myoglobin, CK-MB, cTroponin-I, D-Dimer, hs-CRP

Anemia Markers

Ferritin, Vitamin B12, Folate

Autoimmune Thyroid Markers

Anti-Tg, Anti-TPO

Additional Analytes

Vitamin D, hGH, IgE

HARDWARE

Optical Detector: Photomultiplier Tube (PMT)

Photomultiplier Tube is the heart of any chemiluminescence analyzer. Maxia has the best-in-class PMT for signal amplification and measurement. It is sourced from the leading PMT manufacturer in Japan.



Nine Dynodes Amplification System (NDAS) provides high sensitivity and better resolution

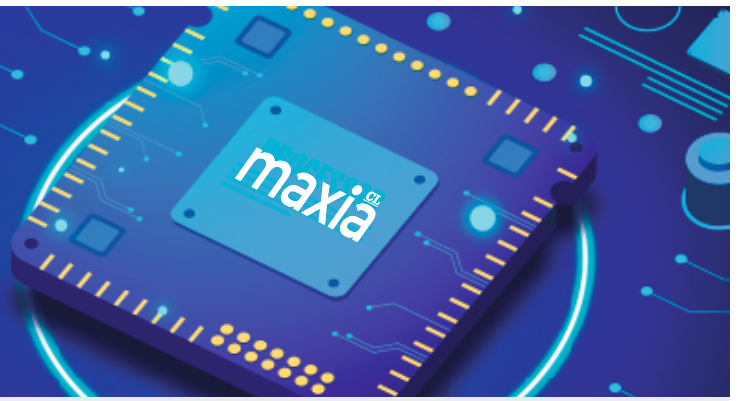
High gain provides an output linearity of 83 lakhs RLU

Lowest dark current (noise) of $< 2 \text{ nA}$ provides very high signal-to-noise ratio

High performance photocathode for 100% conversion of photon to photoelectron

Rugged PMT, composed of bialkali and housed in borosilicate, vacuum tube

**ROBUST
RUGGED
RELIABLE**



Rugged Electronics

The meticulously designed system architecture of Maxia comprises of best-in-class PMT, power adaptor instead of SMPS, high voltage socket and related circuits. Maxia is backed by an excellent electronic architecture to ensure years of trouble-free performance.

Touch Screen Display

Maxia consist of Thin Film Transistor (TFT) touch screen LCD display. A wide display of 10.1 inches serves as a display content and as an interface device. All the operations are performed through active LCD display using finger or stylus. TFT LCD display provides sharp image with better contrast, high sensitivity to touch, enhanced visibility and incredible durability.

In-built Thermal Printer

Maxia comes with an in-built ultra compact thermal printer capable of printing text (alpha-numeric) and graphics such as calibration graphs. It possesses a high printing speed with very low power consumption.



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Log In **Exit**

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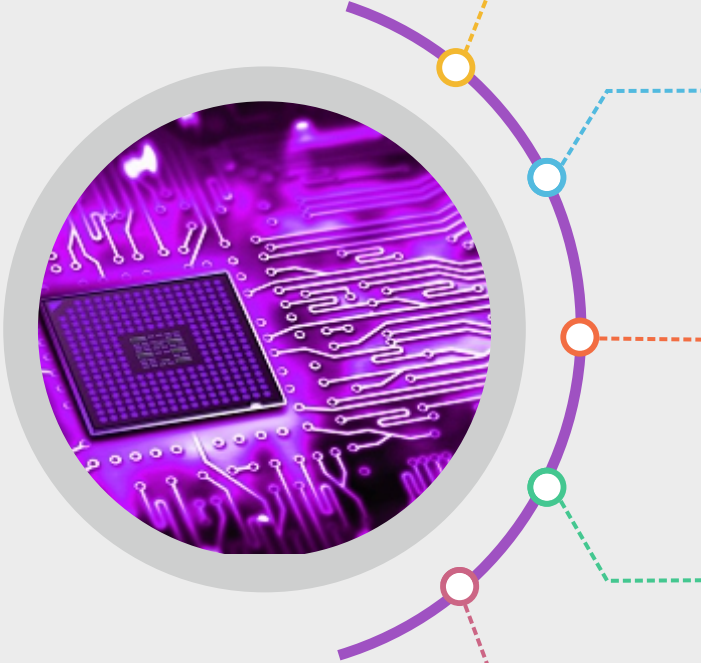
User Interface

- External printer can be connected to Maxia through bluetooth or USB port
- LIS connectivity
- USB port
- Wi-fi connectivity
- External wireless keyboard and wireless mouse for easy operations and navigation

SOFTWARE

Exclusive EasyCal Software

Maxia software is designed for acquiring and analyzing assay data. It includes features which are designed to increase efficiency and improve the quality of results. Maxia software enhances the user experience with an intuitive graphical interface and multiple powerful tools.



The Shift Dynamics Chip of Maxia contains the entire spectrum of mathematical and statistical models.

Ability to read master curve, 2-point recalibration curve and only samples in single plate for different parameters.

2-point recalibration functionality plots the new calibration graph by using data of two calibrators. Stores new 2-point recalibration graph.

Analytes can be standardized using different curve-fitting options like Point-to-point, Lin-Log, Log-Lin, Log-Log, Log-Logit and 4-PL.

70+ pre-programmed test protocols. No manual programming is required, making installation faster and easier.

**SIMPLE
FLEXIBLE
INTUITIVE**



Features Of Maxia Software

Multi Parameter Test Mode

Ability to read different parameters at the same time, in the same run.

Quality Control (QC) Mode

Maxia enables to run the quality controls and store the data which is then used to plot Levey-Jennings (LJ) chart based on Westgard rules.

Fast & Precise Measurements

Maxia reads 96 wells in 180 seconds or <2 seconds to read a reaction cell. Maxia takes 15 readings of every reaction cell. Repeated measurement checks the precision of RLU emitted from the reaction mixture.

Assay Modes

1. Continuous assay mode
2. Strip specific mode

Memory

Huge memory to store calibration data, quality control data and patient results for approximately 7 years.

Patient Identification

Facility to enter alphanumeric sample ID.

Intuitive Software

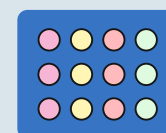
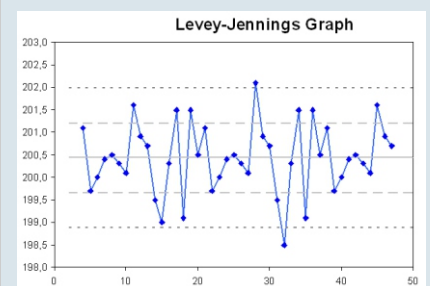
Equipped with a unique and easy-to-use software. Graphical interface guides the operator through the assay.

Remote Access

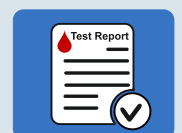
Maxia can be remotely accessed to perform different activities such as program upgradation, new program creation, system check in case of breakdown and to access log files and error files.

QUALITY CONTROL

Load LJ Chart



Assay Start



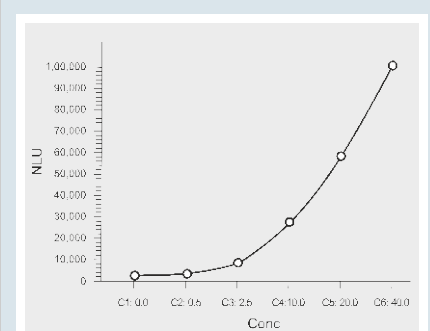
Result Preview



Quality Control



LIS



Print Curve

Line Feed



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