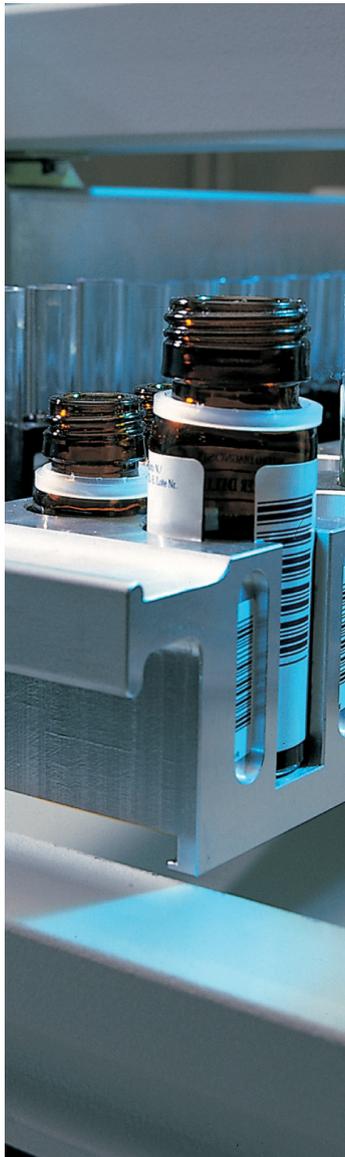




# *ETI-Max3000*



DiaSorin

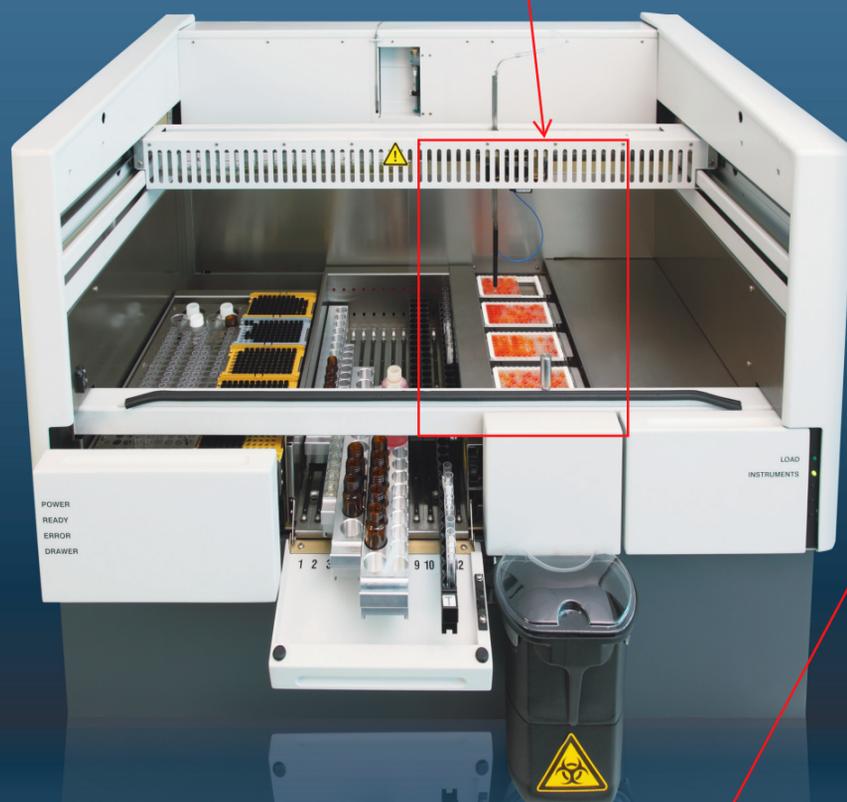
The Diagnostic Specialist



# DESIGNED TO SIMPLIFY AND OPTIMIZE YOUR ROUTINE

1. ETI-MAX3000 keturių plokštelių imunofermentinių tyrimų analizatoriai skirti 96 sulinėlių mikroplokštelių tyrimams atlikti.

## ETI-Max3000



➤ **4 PLATES UP TO 7**  
Increased number of results with continuous loading of samples and reagents.

➤ **RANDOM ACCESS AND BATCH MODE**  
Multiple analytes on the same plate (1 up to 12) or single analyte per plate.

➤ **SAFETY AND RELIABILITY**  
Full process control to guarantee secure results.

➤ **EASY MAINTENANCE**  
Automatic daily weekly.

➤ **SEROTEC FUNCTIONALITY**  
Samples aliquoting in tube/plate.

➤ **SOFTWARE FEATURES**

- Maximum flexibility in protocol programming and creation of microplate maps.
- Different worklists in different cycle times.
- Schedule for optimizing loading time.
- Archive of results by plate and by individual patient.
- Bidirectional interface to a LIS in compliance with ASTM specification and ASCII file transfer.

3.2. ETI-MAX3000 analizatoriuose tyrimai yra užsakomi iš sudaryto sąrašo, pasirenkami norimą tyrimą kompiuterio ekrane. Programine panga suteikiama galimybė tuo pačiu metu derinti keletą skirtingų tyrimų atlikimą.



### SAMPLE/REAGENT LOADING AREA

- Barcode reading: barcode automatically reads primary samples and reagents.
- Up to 240 primary tubes.
- Sample racks: each holds 20 samples of varying sizes (10-16 mm diameter).
- Reagent racks: optimized for DiaSorin reagents in 4 different types.
- Automatic checking of required reagent volumes.

3.7. ETI-MAX3000 analizatorių adata turi skysčio lygio aptikimo funkciją.

### PREDILUTION AREA

- Removable predilution rack, with additional reagent positions.
- Up to 160 predilution tubes (20 rows of 8 tubes).
- Predilution tube positions identified by numbers.
- Serial dilutions.
- Tip requirement automatically calculated (up to 480 on board).
- 300 µ L and 1100 µ L conductive disposable tips.
- Clot detection.
- Check for sample/reagent post-dispensation.
- High-speed dispensing.
- No carryover.
- Mixing (in predilution tube and microplate).
- Sample/reagent multidispensing.
- Patient sample archiving.

### DISPENSING AREA

- Maximum precision in predilution and dispensing.
- Clot detection.
- Check for sample/reagent post-dispensation.
- High-speed dispensing.
- No carryover.
- Mixing (in predilution tube and microplate).



- Sample/reagent multidispensing.
- Patient sample archiving.

### WASHING AREA

- 8 channels of dual needles.
- Washing of different types of microplates.
- 4 different wash buffers on board.
- level sensing.

### INCUBATION AND READING AREA

- Robotic plate transfer between assay steps.
- 4 independent incubators can each be set at room temperature to 50 C°.
- Reading: absorbance and kinetics value.

## TEST PROFILES ON ETIMAX 3000 More than 150 tests available\*

- VIRAL HEPATITS
- TORCH
- EBV
- RETROVIRUSES
- AUTOIMMUNITY
- OTHER INFECTIOUS DISEASE

\*Not all the assays are available in all countries. Please refer to your local DiaSorin representative.

**murex**  
Murex® is a DiaSorin trademark  
*on board*

### 3.7. ETI-MAX3000 analizatorių adata turi skysčio lygio aptikimo funkciją.

## TECHNICAL SPECIFICATION

### SAMPLE AND REAGENT DISPENSING UNIT

Liquid handling	1 syringe of 1-mL capacity
Disposable tips	Carbon, 300 or 1100 µL, automatically managed by the software
Pipetting area	4-plate handling
Precision (Sample & Reagent)	CV < 8.0% with 10 µL CV < 2.5% with 100 µL
Level sensor system	Electronic
Clot detection	Yes
Mixing	Yes (for predilution tube & microplate)
Multidispensing	Yes (sample, control & reagent)
Sample dispensing time	< 18 min/96 wells (100 µL/well)
Reagent dispensing time	< 4 min/96 wells (100 µL/well)
Carryover	None

### SAMPLE IDENTIFICATION UNIT

Identification	Barcode scanner for primary tubes, controls & reagents Barcode scanner for microplate (optional) Manual barcode gun (optional, connected in emulation keyboard)
Tubes	10-16 mm diameter, 55-100 mm height 16 mm diameter, 100 mm height
Labels	Interleaved 2 of 5, UPC A & E, IATA 2 of 5, Industrial 2 of 5, EAN 8 or 13, Code 128, EAN 128, Pharmacode, EAN Addendum 2 or 5, Code-a-bar
Capacity	Up to 240 sample tubes

### INCUBATION UNIT

Capacity	4 independent chambers
Temperature range	5°C above room temperature to 50°C
Accuracy	± 1°C mean of plate
Uniformity	± 0.7°C across plate
Shaking	Longitudinal

### WASHING UNIT

Capacity	Up to 4 wash buffers
Wash head	1 x 8
Dispensing volume	200-2500 µL/well, managed per assay
Precision	± 5% CV at 300 µL
Residual volume	< 2.5 µL in U-shaped bottom wells < 4 µL in flat bottom wells
Buffers level sensor	Yes
Waste tank level sensor	Yes
Wash cycles	1 to 9, managed per assay
Soak time	1 to 999 sec, managed per assay
Dispensing pressure	Adjustable per assay

### READING UNIT

Reading	Vertical with photodiodes, absorbance or kinetics
Channels	8
Method	Single, double or double beam with overrange filter
Spectrum	400-700 nm
Filters	Up to 8 positions available, 5 already on board (405, 450, 492, 550, 620 nm)
Reading time	Less than 10 sec
Dynamic range	- 0.100 to 3.000 absorbance units
Linearity	0-2.000 absorbance units ± 1.0%
Accuracy	± 0.005 absorbance units or 2.5%

### MANAGEMENT SYSTEM

Computer	Pentium III, 500 MHz, 64 Mbytes RAM
Hard disk	6.4 GBytes
Keyboard	Alphanumeric
Mouse	Standard
Monitor	19" colour
Printer	Laser

### SOFTWARE FEATURES

Operating system	Window XP, Windows 2000 or 95 32-bit application
Language	Multilanguage
Plate capacity	4 up to 7, in continuous loading
Multiple assays per plate	Yes, up to 12 assays
Data reduction	Cut-off (qualitative) Interpolation method (quantitative): 4 parameters, point-to-point, linear regression, cubic, spline, etc. Mean, SD, CV, Levey-Jennings
QA analysis	Related to HD capacity
Protocols storage	Definable per assay and per patient
Result printout	Yes
Patient archive	Per plate, managed with time scheduling
Plate loading	Yes (on-line log event/error file)
Process in control	ASTM and Flexible ASCII.
I/O Interface	Yes, plate and tube
Patient sample archiving	

### DIMENSIONS

Width	1130 mm
Depth	760 mm (880 mm including the pipette waste bag)
Height	1000 mm
Weight	130 kg

### ELECTRICAL REQUIREMENTS

Universal a.c. input	100 - 240V / 3.2 - 1.3° / 50 - 60 Hz
Power	Typically 500 VA max

### SAFETY REQUIREMENTS

CE marked; compliant with the directive of in vitro diagnostic medical devices	98/79/EC
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5. ETI-MAX3000 analizatoriaus matmenys yra 76x113x100cm (ilgisplotisxaukštis).

3.3. ETI-MAX3000 analizatoriuje yra integruotas brūkšninių kodų skaitytuvas mėginiams bei reagentams, reikiamos purtyklės, reikiamos temperatūros inkubatoriai bei vieta kambario temperatūros inkubacijai. ETI-MAX3000 prietaisai automatiškai atlieka mėginio skiedimą, plovimą, inkubaciją ir rezultatų vertinimą.

3.5. ETI-MAX3000 analizatoriuje yra integruota plovimo stotelė ir skaitytuvas su pagrindiniais integruotais filtrais: 405, 450, 492, 550, 620 nm. Taip pat analizatoriuose yra galimybė padidinti filtrų skaičių.

Diasorin S.p.A.  
Via Crescentino, snc  
13040 Saluggia (VC) - Italy  
Tel. +39.0161.487093 - Fax +39.0161.487628  
www.diasorin.com - info@diasorin.it



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