



# MEET THE MAGO 4

Automated analyser for ELISA and IFA tests



Making Automation Affordable  
for Labs Everywhere

[www.erbamannheim.com](http://www.erbamannheim.com)

# ELISA and IFA technologies in a single platform

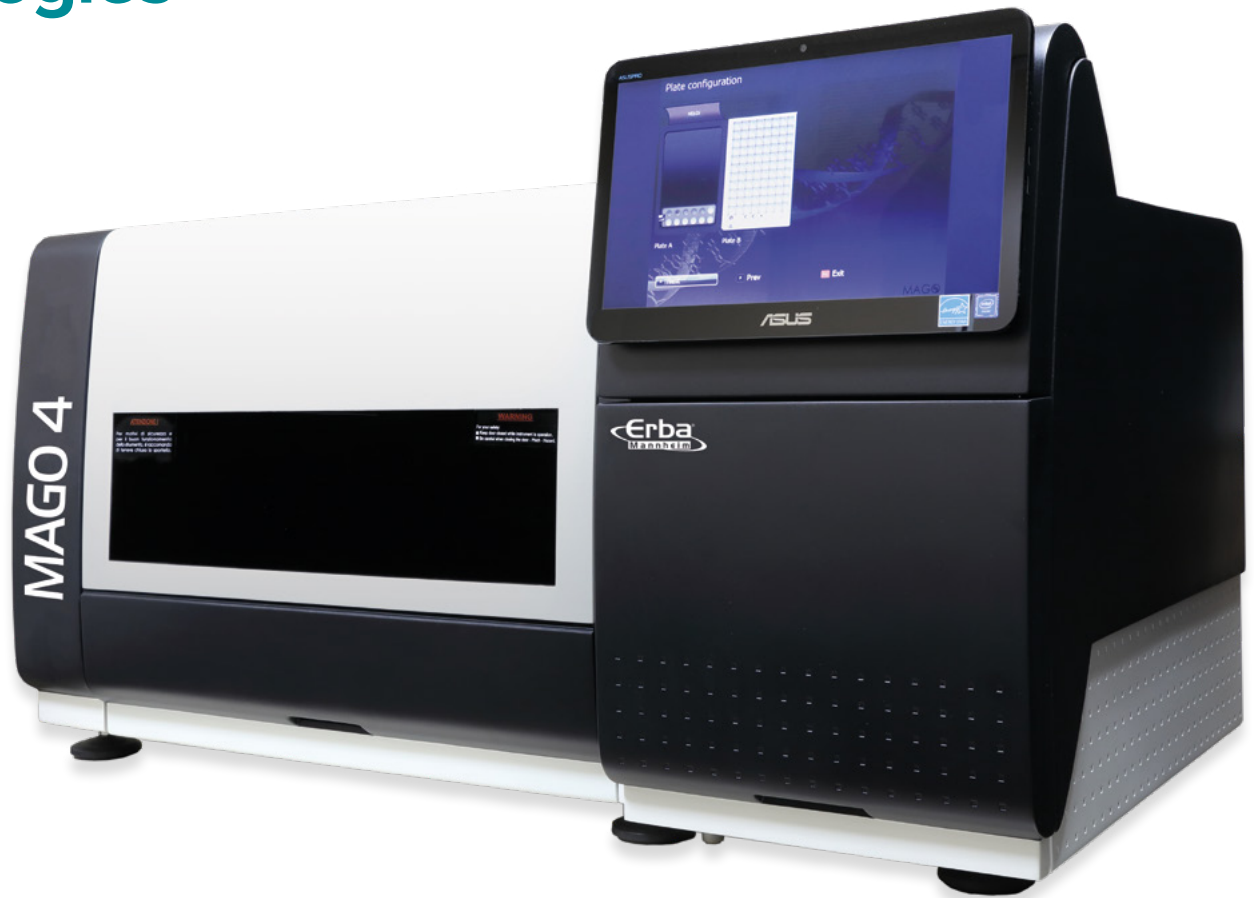
## Upgrade your immunology workflow with the Mago 4

Automation of ELISA and Immunofluorescence assays are crucial upgrade step of medium sized labs, dealing with diverse tests and methods.

Mago 4 minimizes the hands-on-time and optimizes the workflow for labs that require reliable automation of ELISA tests and preparation of immunofluorescence slides.

Mago 4 is a four plate analyser, that enables to run ELISA, IFA and agglutination tests in a single batch. Users can combine up to 12 ELISA, and 16 IFA methods, choose disposable tips or dilution strips for defined samples and methods. These unique features provide advantages for medium sized labs with maximum capacity of 104 samples, and enable to simultaneously run multiple samples and methods.

Integrated PC with a touchscreen and internal liquid handling system makes Mago 4 compact platform, which will fit perfectly into every lab's daily workflow.



### Wide test portfolio including:



**Blood Bank**



**TORCH**



**Hepatitis**



**Infectious diseases**



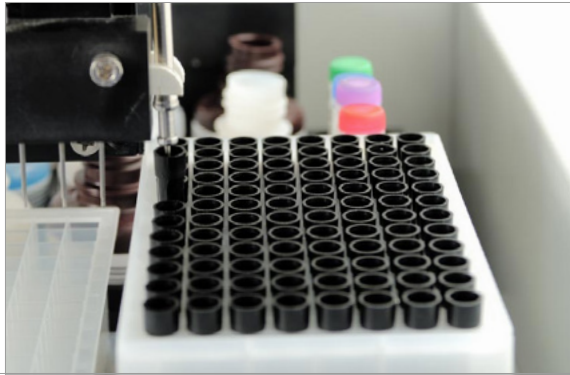
**Autoimmune diseases**

# Complete solution for ELISA and IFA workflow management

## Automated pipetting



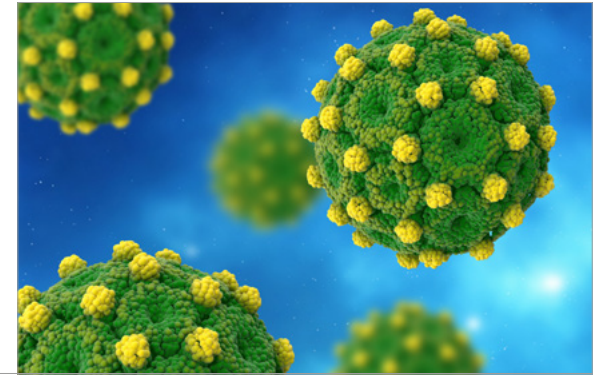
Single probe dispensing reagents and samples with/without disposable tips



## Wide test portfolio



Blood bank, TORCH, Hepatitis, Infectious diseases, Autoimmunity tests existing protocols



## Versatility



ELISA, IFA, Agglutination tests automation



## Test Capacity

12

Four independent plates equipped with incubators, 12 different ELISA assays in a single run



## Samples



104 sample positions in running chain belt with sample barcode screening



## QC data management



Levey-Jennings and Westgard rules on board



## GENERAL SPECIFICATIONS

<b>Number of plates</b>	<b>Assays per batch</b>
4	12
<b>Slides per holder</b>	<b>Combination</b>
4	ELISA, IFA, Agglutination tests
<b>Sample capacity</b>	<b>Sample tube</b>
104	12-13 mm x 75-85 mm
<b>Sample volume</b>	<b>Sample identification</b>
200 ul, 150 ul in Eppendorf tube	YES, integrated sample barcode reader
<b>Reagents</b>	<b>Temperature range</b>
9 bottle positions, up to 88 tubes positions	18-30
<b>Sample dilution</b>	<b>Voltage</b>
Dilution strips, up to 192 dilution positions	115-230 V
<b>Weight</b>	<b>Frequency</b>
90 Kg	50/60 Hz, 4-7 Aw
<b>Dimensions</b>	
120 x 70 x 66 cm (L x H x W)	

### Erba Lachema s.r.o.

Karásek 2219/1d, 621 00 Brno,  
Czech Republic

✉ sales@erbamannheim.com

[www.erbamannheim.com](http://www.erbamannheim.com)



## READER SPECIFICATIONS

<b>Dynamic range</b>	<b>OD range</b>
0,0/3,0 OD	400-800/340-750 nm
<b>Accuracy</b>	<b>Precision</b>
± 1 % a ± 0,005 O.D. v 1,5 O.D.	± 0,5 % a ± 0,005 O.D. v 1,5 O.D.
<b>Read time</b>	<b>Filters on board</b>
5 sec/plate	405, 450, 492 and 620 nm, two empty positions

## LIQUID MANAGEMENT

<b>Probe</b>	<b>Washing manifold</b>
Single probe	8 dispensing, 8 aspirating channels
<b>Tips</b>	
maximum capacity 192 tips, 300 ul conductive tips used for samples and reagents, optional	
<b>Wash buffer bottles</b>	<b>Distilled water tank</b>
2 x 2l	1 x 2l
<b>Low volume alarm</b>	<b>Waste liquid tank</b>
Yes	1x 10l



**Total Solutions for Clinical Diagnostics**

The Devices are in compliance with the IVDR requirements of CE marking

Ref: IM001/2022/2