

WHY MAKE THINGS  
COMPLICATED?

HELI<sup>A</sup><sup>®</sup>  
HELMED LINE IMMUNOASSAY ANALYZER



**AESKU.GROUP**  
WE TAKE CARE OF YOUR HEALTH

# HELIA® – AUTOMATED BLOT SYSTEM

HELIA® is an automated analyzer for line immunoassays. The HELIA® system is able to perform all immunoblot processing steps, and due to an integrated camera module, it is able to read and report immunoblot results. The HELMED® processor architecture, and the HELIA® system unites proven lab automation with innovative immunoblot processing and reading technology. HELIA® was developed to simplify and automate immunoblot testing with a focus on standardization, minimal footprint and easy implementation. HELIA® includes a pre-installed and configured space-saving All-in-one PC.

**AESKU develops, designs and produces the HELIA® system and all dedicated reagents, offering complete control of the entire product life cycle.**

## Walk away

Total immunoblot automation from primary sample tube to result interpretation. The HELIA® system offers a complete walk-away solution.

## Proven reliability

The HELIA® uses the HELMED® hardware-architecture, with more than 800 installed systems.

## High capacity

- Up to 9 different AESKUBLOTS® tests/lots per run
- 18 reagent positions plus 2 system liquids
- 5 trays each with 8 AESKUBLOTS® strips, up to 40 strips in total

## High resolution

Camera with a 5 megapixel resolution CMOS color sensor.

## Traceability

Complete tracking of entire immunoblot procedure.

## Sample barcode

Barcode Scanner for automatic sample detection and identification.

## User friendly software

HELIA® device software offers a sleek interface with a comprehensive workflow management suite and intuitive customization.

## Level detection

All conjugates, substrates, samples and sample buffers are checked before pipetting and all errors are logged.

## Faster

The multiplex technology yields up to 1600 results in 3.5 hours.

## LIS connection

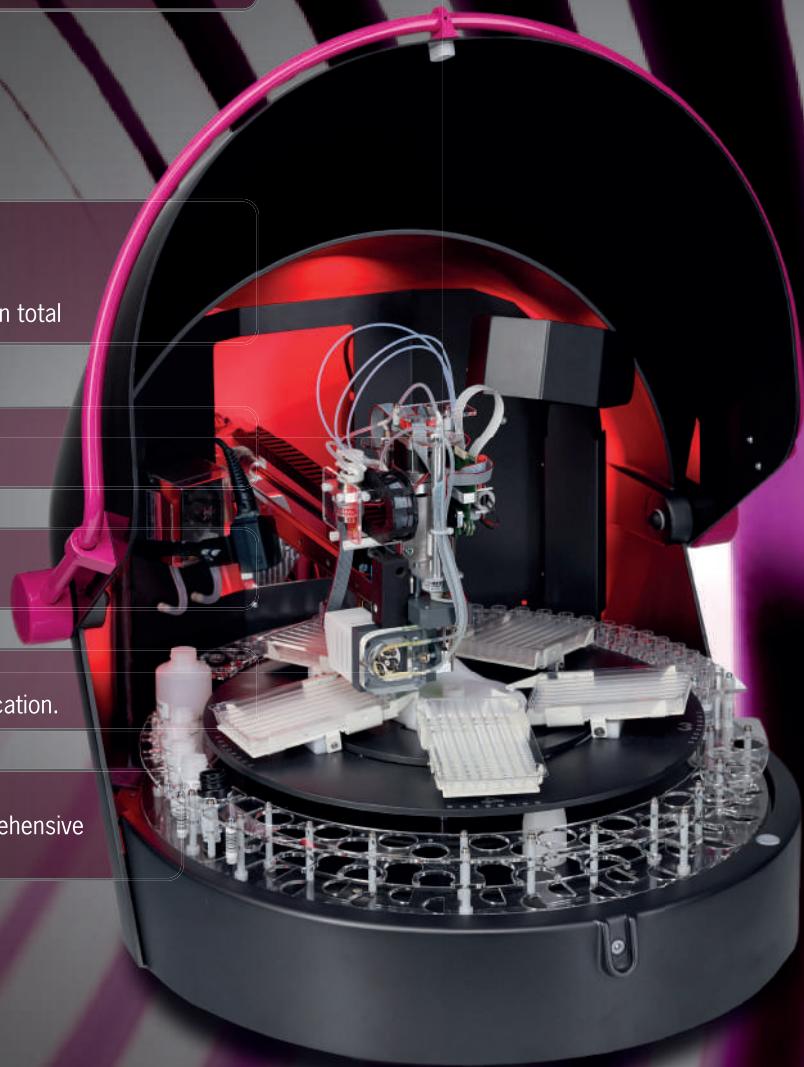
with HERA® lab software and/or LIS.

## Compact footprint

- Width 65 cm • Height 57 cm • Depth 75 cm • Weight 31.5 kg

## Additional features

- Minimal footprint • No consumables • Low sample dead volume (< 50 µl)



# NEW HELIA® DEVICE SOFTWARE\*

The new HELIA® software can run a complete ANA-17 Pro blot in only 3.5 hours.

Overall operation has become more streamlined, with one menu for result processing. Combined with our expanded portfolio of immunoblot tests for food intolerance and allergies, this has enhanced the user experience and resulted in an increased testing capacity.

Maintenance and repairs have also been simplified for both the user and our technicians. A click on the button “Support Request File” creates a detailed support file from which our support team can obtain all necessary information and thus provide fast and adequate support.

\*available outside USA only

## HELIA® TECHNICAL SPECIFICATIONS

### Work mode

Batch

### Automates

Blot processing and image capturing

### LIS connectivity

Yes

### Barcode recognition of

Sample

### Camera

5 mp

### Number of samples

40

### Sample volume

1–300 µl

### Test panels

Up to 9 panels per run

### Sample probe

Stainless steel

### Liquid system

2 syringes, 2 peristaltic pumps

### Liquid detection

Yes, conductivity

### Max. reagent volume

2 ml

### System liquid bottle(s)

2

### Waste bottle

2 L

### Reagent positions

18

### Blot processing software

Open

### Imaging

Closed, only available for AESKUBLOTS®

### Number of tests

5 autoimmune, 2 serology, 13 allergy,

7 food intolerance, 2 GRD

### Image capture

3 seconds per tray, using wet strips

### Power consumption

75 W

### PC

External PC included



## PRODUCT ORDERING REFERENCES

### Description

HELIA® Automated BLOT System

REF.LIA-1000

Blot Immunoassay Analyzer with All-in-one PC included

# AESKUBLOTS® PRODUCT PANEL

Test kits reagents validated and optimized for automation with HELIA® & HELMED® BLOT. Additional profiles under development.

## AESKUBLOTS® Allergy ONE\*

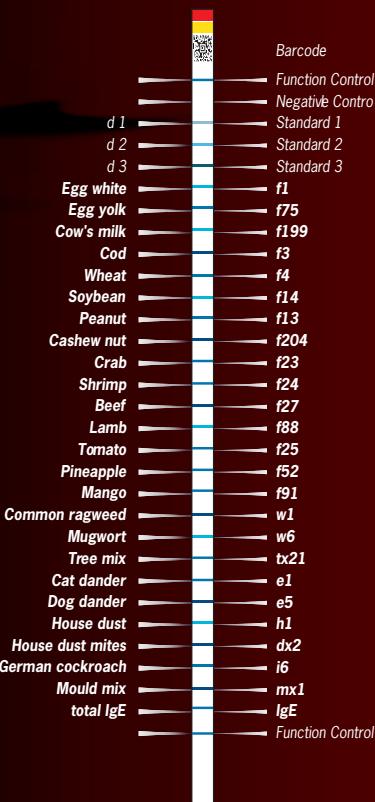
**Format:** 24 Strips per kit

**Conjugate:** anti-human IgE

**Color-coded test strips:** red/yellow

2 functional controls, 3 standards, negative control and total IgE

Immunoblot for quantitative detection of allergen-specific IgE antibodies against allergens/allergen mixtures and total IgE in human plasma or serum.



**AESKUBLOTS® Allergy ONE** is a tool to identify the amount of total IgE and specific IgE concentrations in the serum/plasma. Knowing the IgE levels for different substances will support the diagnosis of an allergy. IgE levels are provided in rast classes and kU/l.

\*exemplarily

## AESQC®

Improve your analytical performance with AESQC® multiparametric autoimmune and infectious serology controls now validated as quality controls for AESKUBLOTS®.

## AESQC® Pool 1

REF AESQCP1

- SS-A 60 kDa
- SS-A 52 kDa
- SS-B
- Jo-1
- AMA

Volume: 2x 500 µl

## AESQC® Pool 4

REF AESQCP4

- Sm
- Sm / RNP
- CEN-P-B
- Scl-70
- Ribo

Volume: 2x 500 µl

## AESQC® Pool 6

REF AESQCP6

- Borrelia IgG-Vlse

Volume: 1x 200 µl

## AESQC® Pool 7

REF AESQCP7

- Borrelia IgM-OspC

Volume: 1x 200 µl

## AESKUBLOTS® Autoimmunity

ANA-17 Pro

REF 4001

ANA-17 Comp

REF 4008

Liver Pro

REF 4004

Gastro Pro

REF 4005

## AESKUBLOTS® Infectious Serology

Borrelia-G

REF 4006

Borrelia-M

REF 4007

## AESKUBLOTS® Food Intolerance

Food Intolerance ONE

REF 431401

Food Intolerance TWO

REF 431402

Food Intolerance THREE

REF 431403

Food Intolerance FOUR

REF 431404

Food Intolerance FIVE

REF 431405

Food Intolerance SIX

REF 431406

Food Intolerance SEVEN

REF 431407

Food Intolerance EIGHT

REF 431408

Food Intolerance NINE

REF 431409

Food Intolerance TEN

REF 431410

Food Intolerance ELEVEN

REF 431411

Food Intolerance TWELVE

REF 431412

Food Intolerance THIRTEEN

REF 431413

## AESKUBLOTS® Allergy

Allergy ONE

REF 421001

Allergy TWO

REF 421002

Allergy THREE

REF 421003

Allergy FOUR

REF 421004

Allergy FIVE

REF 421005

Allergy SIX

REF 421006

Allergy SEVEN

REF 421407

Allergy EIGHT

REF 421408

Allergy NINE

REF 421009

Allergy TEN

REF 421010

Allergy ELEVEN

REF 421411

Allergy TWELVE

REF 421412

Allergy THIRTEEN

REF 421413

## AESKUBLOTS® Gluten Related Disorders

IgA

REF 401005

IgG

REF 401006